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HONGKONG OBSERVATORY,
6th March, 1899.

SIR,—I have the honour to submit my annual report for 1898 to His Excellency the Governor. My fourteenth volume of "Observations and Researches" was published last autumn, and the fifteenth volume is now being printed. It contains synopses of fifteen years' meteorological and magnetic observations.

2. The typhoons in 1898 were above the average both with regard to number and intensity. The telegrams issued from here attained that year a maximum of efficiency. All necessary notices, and only necessary notices, were issued, so that the shipping was not needlessly disturbed. They were subsequently compared with entries in logbooks, and confirmed by such entries. In all 275 typhoons have now been investigated at this Observatory.

3. The comparison of weather-forecasts, issued daily about 11 a.m., with the weather subsequently experienced has been conducted on the same system as heretofore (Comp. Annual Report for 1896 § 5). We have :

Success 66 %, partial success 28 %, partial failure 6 %, total failure 0 %.

Following the method used in meteorological offices and taking the sum of total and partial success as a measure of success, and the sum of total and partial failure as a measure of failure, we find finally that :—

94 % of the weather forecasts were successful.

4. The China Coast Meteorological Register was printed every morning at the Observatory, and information regarding storms was telegraphed and exhibited on notice boards as often and as fully as such information could be justified by the weather telegrams received. This happened on 96 days in 1898. The Red Drum was hoisted 6 times, the Black Drum 1 time, the Red South Cone 2 times, the Black South Cone 5 times, the Red North Cone 0 times, the Black North Cone 0 times, the Red Ball 0 times, the Black Ball 5 times. The Gun was fired 3 times. Printed bulletins were circulated on 4 occasions.

5. Telegraphic connection with Victoria was interrupted on the 1st January, 1898, from 7.5 a. to 2.20 p.; on the 15th February from 10.8 a. to 10.24 a ; on the 12th March from 11.15 a. to 12.15 p.; on the 18th March from 10.7 a. to 10.20 a.; on the 28th March from 11.35 a. to 11.57 a.; on the 1st April from 12.37 p. to 1.48 p.; on the 2nd April from 12.30 p. to 2 p.; on the 29th April from 11.45 a. to Noon ; on the 5th July from 11.20 a. to 6.45 p.; from 2 p. on the 23rd to 10.10 a. on the 24th July ; on the 3rd October from 10.54 a. to 11.45 a. Interruptions occurred therefore on 12 days, and of course, also during thunderstorms. Telephone connection with the Peak was interrupted on the 6th February, 1898, from 2 p. to 8 p.; on the 28th April from 2 p. to 5 p., *i.e.* on 2 days as well as during thunderstorms.

6. During 1898 in addition to meteorological registers kept at 40 stations on shore, 3000 ship-logs have been copied on board or forwarded by the captains. The total number of vessels, whose log books have been made use of was 350. The total number of days' observations (counting separately those made on board different ships on the same day) was 24928.

7. The following is a list of ships from which logs have been obtained in 1898. The majority are steam ships, and the others are distinguished as follows :—bk., barque ; sh., ship ; bqt., barquentine ; sch., schooner :—Activ, Adolph Obrig (bk.), Adria, Airlie, Amara, Andalusia, Antenor, Argyll, Ariake Maru, Arizona, Armenia, Arratoon Apcar, Ask, Astral, Astrid, Asturia, Atlantic (sh.), Australian, Babelsberg, Balaarat, Baltimore (U.S.S.), Bankoku Maru, Bayern, Belgic, Benalder, Bengal, Benlarig, Benlomond, Benmohr, Benvenue, Bittern (bqt.), Blenheim (H.M.S.), Bombay, Bonaventure (H.M S.), Bormida, Borneo, Boston (U.S.S.), Braemar, Brindisi, Broadmayne, Bullmouth, Bygdö, Candia, Canton (P. & O.), Canton (I.C.S.N.S.S.), Catherine Apcar, Celtic Bard (sh.), Centaur, Centurion (H.M.S.), Ceres, Ceylon, Changsha, Charleston (U.S.S.), Chelydra, Chihli, China (P.M.S.S.), China (German steamer), Chingkiang, Chingtu, Chingwo, Chiswick, Chiyoda Maru, Chi Yuen, Chowfa, Chowtai, Choysang, Chunsang, Chunshan, Chusan (P. & O.), Chusan (German steamer), City of Peking, City of Rio de Janeiro, Clam, Clara, Concord (U.S.S.), Concord (sch.), Coptic, Coromandel, Cosmopolit, Crown of Germany (bk.), Culgoa, Dagmar, Dardanus, Decima, Deike Rickmers, Deucalion, Deutschland (S.M.S.), Devawongse, Diomed, Doric, Drumeltan (bk.), Ebani, Edgar (H.M.S.), Elphinstone, Else, Empress of China, Empress of India, Empress of Japan, Esmeralda, Fooksang, Formosa, Framnes, Frejr, Fukui Maru, Fushun, Gaelic, Gefion (S.M.S.), Gerda, Germania, Ghazee, Gisela, Glenavon, Glenearn, Glenfalloch, Glenfarg, Glengarry, Glengyle, Glenogle, Glenturret, Grafton (H.M.S.), Guthrie, Hailan, Hailoong, Hainan, Haitan, Haimun, Hangchow, Hanoi, Hansa, Hektor, Hermes, Hertha, Hikosan Maru, Hinsang, Hiroshima Maru, Hohenzollern, Hoihao, Hongkong, Hongleong, Howard D. Troop (sh.), Hsiping, Humber (H.M.S.), Hunan, Hupeh, Hyson, Ichang, Idzumi Maru, Indrapura, Indravelli, Iolani (bk.), Iranian (bk.), Irene, Irene (S.M.S.), Jacob Christensen, Jacob Diederichsen, Japan, Jason, Java, Kachidate Maru, Kagoshima Maru, Kaiser (S.M.S.), Kaiserinn Augusta (S.M.S.), Kaisow, Kamakura Maru, Kanagawa Maru, Kansu, Kashing, Kawachi Maru, Kelat (bk.), Kensington (sh.), Keong Wai, Kiangnan, Kiev (R V.F.), Kinai Maru, Kintuck, Kioto Maru, Kistna, Knight Templar, Knivsberg, Kongbeng, Konoura Maru, Kutsang, Kwanglee, Kweilin, Kweiyang, Königsberg, Leeyuen, Lennox, Letimbro, Likin (I.M.C.C.), Linnet (H.M.S.), Lion (French Man-of-War), Liv, Loksang, Loongmon, Loosok, Lothair (bk.), Loyal, Lyeemoon, Macduff, Machew, Malacca, Manila, Marie Jebsen, Maria Valeria, Marquis Bacquehem, Mary L. Cushing (sh.), Mathilde, Matsushima Maru (H.I.J.M.S.), Matsuyama Maru, Mazagon, Meefoo, Melbourne, Memnon, Menmuir, Merionethshire, Miike Maru, Mogul, Monadnock (U.S.S.), Mongkut, Monmouthshire, Monterey (U.S.S.), Moravia, Morven, Namyong, Nanchang, Nanyang, Naniwa (H.I.J.M.S.), Natuna, Nestor, Niobe, Oanfa, Ocampo, Oceana, Océanien, Olympia, Omi Maru, Onsang, Oopack, Oranje Prince, Orestes, Oslo, Oxus, Pakling, Paramita (sh.), Parramatta, Pathan, Patroclus, Pechili, Peiyang, Peru, Petrarch, Petrel (U.S.S), Phra Chom Klao, Phra Chula Chom Klao, Phranang, Picciola, Pigmy (H.M.S.), Ping Suey, Plover (H.M.S.), Powerful (H.M.S.), Preussen, Prince Arthur (bk.), Priam, Prinz Heinrich, Progress, Pronto, Propontis, Quarta, Quickstep (bqt.), Ragnhild (sch.), Rattler (H.M.S.), Reuce (sh.), Richard Rickmers (bk.), Rickmer Rickmers (sh.), Rinsei Maru, Rio, Riojun Maru, Rohilla, Rosetta, Sabine Rickmers, Sachsen, Sagami Maru, Saghalien, Salazie, Sam Skolfield (sh.), Sanuki Maru, Sarnia, Sarpedon, Sendai Maru, Senta, Shanghai, Shantung, Siam (P. & O.), Siam (Danish S. S.), Siam (Shan S. S.), Singan, Singapore, Skitsushima, Socotra, Spinaway (bqt.), State of Maine (sh.), St. James (bk.), St. Mark (sh.), Stolberg, Suisang, Süllberg, Sultan, Sunda, Sungkiang, Sutlej, Swift (H.M.S.), Sydney, Szechuan, Tacoma, Taicheong, Taichiow, Taifu, Tailee, Taisang, Taiwan Maru, Taiyuan, Tamsui Maru, Tancarville, Tantalus, Teresa, Terrier, Tetartos, Thames, Tokio Maru, Toyo Maru, Tritos, Tsinan, Tyr, Venus, Verona, Victor (bk.), Victoria, Vindobona, Wakasa Maru, Waterwitch (H.M.S.), Westburg (bk.), Windsor Castle (bk.), Wosang, Wuotan, Yamashiro Maru, Yiksang, Yuensang, Zafiro, Zweena.

8. The entry of observations made at sea in degree squares for the area between 9° South and 45° North latitude, and between the longitude of Singapore and 180° East of Greenwich for the construction of trustworthy pilot charts has been continued, and 198785 observations in all have now been entered.

Table I.

Meteorological Observations entered in 10° Squares in 1893–1898 incl.

Square number.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
19	1	0	0	0	0	0	5	1	0	0	0	0
20	28	11	7	41	23	10	6	8	7	40	23	22
21	22	22	51	39	41	1	10	2	7	28	19	36
22	8	3	12	28	35	25	29	10	0	11	0	1
23	223	260	82	48	14	1	105	78	34	48	68	172
24	366	270	335	318	245	258	493	419	325	456	476	356
25	181	116	120	106	137	115	147	136	124	311	299	189
26	2128	2006	2547	2494	3002	3055	3361	3556	3277	3247	2531	2347
27	0	0	0	2	1	1	0	2	3	1	0	0
55	20	29	26	16	18	46	30	29	16	10	12	12
56	19	51	30	12	24	40	49	50	12	32	19	10
57	29	57	38	55	42	34	57	32	12	54	22	26
58	41	43	91	51	71	55	39	53	19	33	52	40
59	118	126	114	36	69	90	101	68	20	95	130	84
60	236	230	216	154	142	219	338	254	165	196	160	164
61	2150	2040	2666	2484	3104	3483	3661	3736	3717	3623	3014	2437
62	1553	1701	1942	1876	2088	2152	2030	2054	2045	1999	1823	1723
63	7	10	11	14	16	17	14	9	13	13	1	3
91	36	50	40	54	11	24	21	30	35	39	58	74
92	51	55	45	52	12	13	12	19	35	24	60	68
93	41	49	37	22	0	11	1	26	28	29	30	50
94	28	39	6	29	1	12	4	16	33	15	22	19
95	61	101	53	73	70	61	32	31	54	87	48	93
96	1727	1503	1646	1686	2049	2044	2073	1955	1796	1972	1739	1591
97	793	726	910	803	928	1004	930	945	982	1008	986	871
98	251	221	248	260	325	377	350	345	385	343	319	295
127	127	58	82	86	65	48	94	85	86	103	104	68
128	133	69	97	105	72	76	107	112	84	145	139	95
129	151	82	138	163	90	117	104	134	92	170	186	145
130	357	259	366	285	442	445	509	497	385	459	425	366
131	416	325	442	441	457	550	561	637	450	520	457	326
132	1129	916	1333	1422	1945	2069	2542	2036	1867	2000	1823	1163
133	0	0	74	63	109	108	141	67	73	115	81	13
163	111	100	134	160	174	217	224	247	199	170	153	97
164	177	141	183	220	234	329	311	327	309	258	203	127
165	205	159	158	186	300	230	353	330	338	247	225	141
166	59	50	58	53	108	91	126	76	126	98	71	58
167	17	1	5	17	28	65	114	136	76	50	37	0
168	1	2	0	6	2	2	4	3	3	9	5	0
199	33	34	25	53	41	40	45	42	68	49	44	35
200	11	5	2	4	0	3	5	0	22	5	13	1
202	0	0	0	0	0	1	2	1	5	1	0	0
203	0	0	0	0	0	0	2	1	2	0	0	0
318	0	0	0	15	0	0	0	0	0	0	0	0
319	11	12	35	23	1	0	0	0	1	28	7	13
320	4	0	27	16	13	35	9	2	0	3	0	0
321	0	1	0	1	4	11	0	2	1	1	0	0
322	22	20	28	36	49	45	35	24	35	41	46	21
323	325	209	238	189	157	155	204	173	194	170	197	269
324	249	161	135	65	85	72	124	108	164	246	275	233
325	247	216	202	300	335	330	502	448	408	307	278	237
	13903	12539	15035	14662	17179	18287	20016	19352	18132	18909	16680	14091

9. As stated in the "Instructions for making Meteorological Observations, etc.," meteorological observations forwarded by observers who regularly send their registers to the Observatory are verified here free of cost. During the past year 5 barometers and one solar thermometer were verified. In addition, several hundred barometers and anëroids on board ship were compared with our standard, which has been occasionally checked by comparison with standard barometers verified at the Kew Observatory, and has at no time differed one thousandth of an inch from the British standard.

10. The mean values of the spectroscopic rainband (1·5) in 1898 were as follows:—January 1.35, February 2.07, March 1.81, April 2.23, May 2.10, June 2.67, July 2.19, August 2.35, September 2.33, October 1.74, November 1.40, December 1.00. Year 1.94.

11. In 1898 the number of transits observed was 2600. The axis of the transit instrument was levelled 215 times, and the azimuth and collimation were determined 67 times by aid of the meridian

mark erected in 1884. No measurable deviation of this mark from the true meridian has yet been detected. Mostly stars of southern declination, whose right-ascension is not very accurately known, have been observed, and it is intended when 20000 transits are available,—say in five years from now,—to form a catalogue of right-ascensions of about 2000 stars, so distributed that when the sky clears for only a couple of minutes a satisfactory determination of the time can be obtained. This is of great importance especially early in the year, when the sky is generally clouded here.

12. But with this view it is absolutely necessary that a fixed transit-circle be added to the equipment of this Observatory, the same as in other observatories. Such comparatively smaller centres of shipping as Madras and Perth (West Australia) have observatories supplied with fixed transit-circles, whereas the enormous shipping calling at Hongkong depends for its time and position and consequently safe navigation after leaving this port upon observations made with a small semi-portable instrument. I have already submitted to the Government that this defect ought to be remedied. A transit-circle is not only needed for determining time and longitude, but serves also to lay down geodetic bearings, latitude, right-ascension and declination. It can be used for observing earthquakes and would enable me to run a level right across the harbour, and otherwise contribute information required in survey work, which would be not only important at the present time but likely to be more and more useful in the future.

13. The sidereal standard clock was stopped on October the 7th in order to lessen the pressure of the electric contact springs on the teeth of the wheel attached to the arbor carrying the seconds hand, the clock having previously tripped. The clock tripped again on the 30th October, the 18th November, and on the 1st December. After this the electric connections and the chronograph were overhauled. On November the 30th the rate was altered by adding to the pendulum a weight nearly equivalent to one second.—On the 19th August the cord of the standard meantime clock broke. Its driving weight is very heavy. On August the 22nd this clock was cleaned.

14. The errors of the time-ball are given in Table II. There were no failures in 1898. The ball is not dropped on Government holidays, and on March 6 it was not hoisted because a native computer did not attend to hoist it. On July 28th and August 17th it was not hoisted on account of strong E gales. It was dropped successfully 351 times in 1898. The probable error was in January ± 0ˢ.12, in February ± 0ˢ.31, in March ± 0ˢ.12, in April ± 0ˢ.12, in May ± 0ˢ.11, in June ± 0ˢ.10, in July ± 0ˢ.14, in August ± 0ˢ.12, in September ± 0ˢ.17, in October ± 0ˢ.16, in November ± 0ˢ.10, in December ± 0ˢ.13.

Table II.

Errors of Time-Ball in 1898.

− means too late. + means too early.

Date.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1	...	0.1	0.1	0.1	+0.5	0.1	+0.2	...	0.1	0.1	0.1	0.1
2	0.1	0.1	−0.2	0.1	+0.3	0.1	+0.2	0.1	0.1	0.1	0.1	0.1
3	...	0.1	0.1	0.1	0.1	0.1	+0.2	0.1	0.1	0.1	0.1	0.1
4	−0.3	0.1	0.1	0.1	0.1	0.1	0.1	+0.2	−0.2	0.1	+0.2	0.1
5	−0.4	+0.3	0.1	0.1	0.1	0.1	0.1	+0.4	−0.2	−0.2	−0.3	0.1
6	−0.4	+0.2	...	0.1	0.1	0.1	0.1	+0.3	0.1	0.1	0.1	0.1
7	−0.2	+0.3	0.1	0.1	0.1	0.1	0.1	0.1	+0.2	0.1	0.1	0.1
8	0.1	+0.2	0.1	...	0.1	0.1	0.1	0.1	+0.2	+0.3	0.1	0.1
9	0.1	+0.4	+0.2	+0.2	0.1	0.1	0.1	0.1	0.1	+0.5	0.1	0.1
10	0.1	0.1	+0.2	...	0.1	0.1	0.1	0.1	0.1	+0.5	0.1	0.1
11	0.1	0.1	+0.2	...	0.1	0.1	0.1	0.1	0.1	+0.6	0.1	0.1
12	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	+0.3	+0.4	0.1	0.1
13	0.1	+0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14	0.1	+0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16	0.1	+0.3	+0.2	0.1	0.1	0.1	−0.3	0.1	0.1	0.1	0.1	0.1
17	0.1	+0.4	0.1	0.1	0.1	0.1	−0.3	...	0.1	+0.3	−0.2	0.1
18	0.1	+0.5	0.1	0.1	0.1	0.1	−0.2	0.1	−0.2	0.1	0.1	−0.2
19	0.1	+0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	−0.2	+0.6	0.1	0.1	0.1	+0.2	−0.2	0.1	+0.4	0.1	0.1	0.1
21	0.1	+0.9	0.1	0.1	0.1	0.1	0.1	0.1	+0.3	0.1	0.1	−0.3
22	...	+1.0	+0.2	0.1	0.1	0.1	0.1	−0.2	+0.2	0.1	0.1	−0.4
23	0.1	+1.1	+0.4	0.1	0.1	+0.2	+0.2	−0.3	0.1	0.1	0.1	0.1
24	0.1	+1.2	0.1	0.1	...	+0.2	+0.2	0.1	0.1	0.1	0.1	0.1
25	0.1	0.1	0.1	0.1	0.1	0.1	+0.3	0.1	−0.2	0.1	−0.2	+0.4
26	0.1	0.1	0.1	0.1	0.1	0.1	+0.2	0.1	−0.3	+0.2	0.1	...
27	0.1	0.1	+0.2	+0.2	0.1	+0.2	0.1	0.1	−0.4	0.1	0.1	...
28	0.1	0.1	0.1	+0.3	0.1	0.1	...	0.1	−0.4	+0.2	0.1	+0.4
29	0.1	...	0.1	+0.3	−0.2	0.1	+0.3	0.1	−0.4	+0.4	0.1	+0.5
30	0.1	...	0.1	+0.4	...	0.1	+0.3	0.1	−0.4	+0.2	0.1	0.1
31	0.2	...	−0.2	...	0.1	...	+0.3	−0.2	...	0.1	...	0.1

15. Mr. J. I. PLUMMER determined the time, attended to clocks, chronometers, chronograph and time-ball and reduced transit observations. Mr. F. G. FIGG issued weather-forecasts and storm-warnings, drew storm-tracks, and made magnetic observations. Miss DOBERCK attended to marine meteorology, and the native assistant, under close supervision by Mr. FIGG and myself, attended to the meteorological instruments and the construction of meteorological tables, assisted by the native staff of computers and telegraphists.

16. The cisterns of the barograph and standard barometers are placed 109 feet above M.S.L. The bulbs of the thermometers are rotated 108 feet above M.S.L., and 4 feet above the grass. The solar radiation thermometer is placed at the same height. The rim of the rain-gauge is 105 feet above M.S.L., and 21 inches above the ground.

17. The monthly Weather Reports are arranged as follows :—

Table I. exhibits the hourly readings of the barometer reduced to freezing point of water, but not to sea level, as measured (at two minutes to the hour named) from the barograms.

Tables II. and III. exhibit the temperature of the air and of evaporation as determined by aid of rotating thermometers. Table II. exhibits also the extreme temperatures reduced to rotating thermometer by comparisons of thermometers hung beside them. Table III. exhibits also the solar radiation (black bulb in vacuo) maximum temperatures reduced to Kew arbitrary standard.

Table IV. exhibits the mean relative humidity in percentage of saturation and mean tension of water vapour present in the air in inches of mercury, for every hour of the day and for every day of the month, calculated by aid of Blanford's tables from the data in Tables II. and III.

Table V. exhibits the duration of sunshine expressed in hours, from half an hour before to half an hour after the hour (true time) named.

Table VI. exhibits the amount of rain (or dew) in inches registered from half an hour before to half an hour after the hour named. It exhibits also the estimated duration of rain.

Table VII. exhibits the velocity of the wind in miles and its direction in points (1—32). The velocity is measured from half an hour before to half an hour after the hour named, but the direction is read off at the hour.

Table VIII. exhibits the amount (0—10), name (Howard's classification) and direction whence coming of the clouds. Where the names of upper and lower clouds are given, but only one direction, this refers to the lower clouds. With regard to the names of clouds : nimbus (nim) is entered only when the rain is seen to fall ; when no rain is seen to fall cumulo-nimbus (cum-nim) is entered. This name indicates clouds intermediate between cum and nim. Cumulo-stratus (cum-str) is the well-known thunder cloud, while strato-cumulus (str-cum) signifies a cloud intermediate between stratus and cum. Sm-cum means alto-cumulus.

Table IX. exhibits for every hour in the day, the mean velocity of the wind reduced to 4 as well as 2 directions, according to strictly accurate formulæ, and also the mean direction of the wind.

Below this is printed a list of the phenomena observed.

18. The following annual Weather Report for 1898 is arranged as follows :—

Table III. exhibits the mean values for the year (or hourly excess above this) obtained from the monthly reports. The total duration of rain was 809 hours. There fell at least 0.01 inch of rain on 141 days.

Table IV. exhibits the number of hours during a portion of which at least 0.005 inch of rain (or dew) was registered.

Table V. exhibits the number of days with wind from eight different points of the compass. The figures are obtained from the mean daily directions in Table VII. of the monthly reports. Days with wind from a point equidistant from two directions given, are counted half to one of these and half to the other, *e g*, half of the days when the wind was NNE are counted as N, and the other half as NE.

Table VI. exhibits the number of days on which certain meteorological phenomena were registered, and also the total number of thunderstorms noted in the neighbourhood during the past year.

Table VII shows the frequency of clouds of different classes.

Table VIII. is arranged as last year.

Table IX. exhibits the monthly and annual extremes.

Table X. contains five-day means.

I have the honour to be,
Sir,
Your most obedient Servant,

W. DOBERCK,
Director.

The Honourable
THE COLONIAL SECRETARY,
&c., &c., &c.

Table III.

Mean Values and Hourly Excess above the Mean of Meteorological Elements in 1898.

	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Mean or Total.
Pressure.	+.005	—.005	—.014	—.016	—.011	+.002	+.017	+.031	+.043	+.044	+.033	+.016	—.008	—.028	—.042	—.046	—.042	—.033	—.019	—.001	+.012	+.021	+.021	+.015	29.812
Temperature,	— 1.6	— 1.8	— 2.0	— 2.2	— 2.3	— 2.3	— 1.9	— 0.7	+ 0.4	+ 1.4	+ 2.2	+ 2.7	+ 3.0	+ 3.1	+ 2.8	+ 2.3	+ 1.3	+ 0.3	— 0.1	— 0.4	— 0.6	— 0.9	— 1.2	— 1.4	72.2
Diurnal Range	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9.0
Humidity,	+ 6	+ 6	+ 6	+ 6	+ 5	+ 5	+ 3	0	— 3	— 5	— 7	— 8	— 8	— 8	— 7	— 6	— 3	0	+ 1	+ 2	+ 3	+ 4	+ 5	+ 5	75
Vapour Tension,	+.012	+.009	+.005	.000	—.003	—.006	—.008	—.010	—.012	—.011	—.012	—.011	—.010	—.011	—.006	—.004	+.001	+.004	+.007	+.010	+.011	+.013	+.015	+.014	0.628
Sunshine (Total),	...	...	...	...	...	10.8	90.6	170.4	190.4	208.3	221.3	225.9	225.5	224.0	219.4	199.0	116.9	23.7	...	...	...	...	...	...	2126.2
Rainfall (Total).	3.115	2.870	3.165	4.855	3.785	2.320	3.095	2.690	3.250	3.295	2.215	2.990	2.065	1.325	2.530	1.330	1.180	0.935	0.955	1.035	1.970	1.780	1.580	2.695	57.025
Hours of Rain (Total),	33	34	42	47	49	46	46	45	38	36	23	31	28	27	33	34	28	30	32	29	29	32	33	34	839
Intensity of Rain,	0.094	0.084	0.075	0.103	0.077	0.050	0.067	0.060	0.086	0.092	0.096	0.096	0.074	0.049	0.077	0.039	0.042	0.031	0.030	0.036	0.068	0.056	0.048	0.079	0.068
Wind-Velocity,	— 0.4	— 0.9	— 0.8	— 1.4	— 1.7	— 1.7	— 1.2	— 0.5	+ 0.4	+ 0.7	+ 2.2	+ 2.1	+ 2.0	+ 1.8	+ 1.5	+ 1.3	+ 0.8	— 0.3	— 0.6	— 1.0	— 0.7	— 0.6	— 0.5	— 0.3	12.4
Wind-Direction,	— 3°	— 2°	— 4°	— 6°	— 6°	— 5°	— 7°	— 8°	— 6°	— 5°	— 1°	+ 4°	+ 4°	+ 10°	+ 11°	+ 8°	+ 8°	+ 10°	+ 7°	+ 3°	— 1°	— 2°	— 3°	— 3°	E 11° N
Cloudiness,	+ 1	...	...	+ 1	...	...	+ 4	...	...	+ 2	...	...	0	...	...	+ 1	...	...	— 1	...	...	— 7	...	...	62
Solar Radiation,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	128.2
Excess of do. do.,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	51.0

Table IV.

Number of Hours during a portion of which it rained for each Month of the Year 1898.

Month.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt	Total.
January,	...	5	3	7	2	4	3	3	3	3	2	3	2	2	3	3	3	3	4	4	5	4	3	4	78
February,	6	3	3	2	4	4	5	5	2	3	...	1	2	3	3	5	2	5	5	3	3	4	5	7	85
March,	...	...	1	1	3	1	1	2	1	1	...	...	...	...	1	1	1	...	1	1	1	1	1	1	20
April,	1	2	4	6	5	4	4	4	3	2	1	1	1	2	1	1	3	2	1	1	2	3	2	2	58
May,	3	4	4	5	5	5	5	5	6	3	2	2	1	1	3	3	1	3	4	1	...	4	2	1	73
June,	5	3	5	8	10	12	11	8	6	7	6	9	7	4	3	7	3	4	3	2	1	1	4	6	135
July,	6	6	6	8	7	4	6	8	3	7	5	5	6	5	6	4	3	6	4	4	4	2	3	3	121
August,	6	5	6	6	7	6	7	6	6	3	2	6	5	4	7	5	5	2	4	6	6	6	8	5	129
September,	3	3	4	2	1	2	2	1	2	3	1	...	1	2	1	2	2	...	...	1	1	2	2	1	39
October,	2	3	5	1	4	4	1	2	5	3	3	3	3	3	4	2	4	4	3	5	5	3	2	3	77
November,	1	...	1	1	1	...	1	1	1	1	1	1	...	1	1	1	1	1	3	...	...	1	1	1	21
December,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	...	...	3
Total,	33	34	42	47	49	46	46	45	38	36	23	31	28	27	33	34	28	30	32	29	29	32	33	34	839

Table V.

Number of Days with Wind from eight different points of the Compass during each Month of the Year 1898.

Month.	N.	NE.	E.	SE.	S.	SW.	W.	NW.
January,	10	3	17	1	...	...	...	...
February,	5	3	17	1	1	1	...	...
March,	1	3	26	1	...	...	...	...
April,	1	7	19	1	...	...	2	...
May,	1	...	17	2	2	7	1	1
June,	...	1	9	2	7	9	2	...
July,	...	1	18	8	2	1	1	...
August,	1	4	8	5	2	5	6	...
September,	...	...	15	2	...	9	3	1
October,	16	4	6	1	...	...	2	2
November,	14	9	4	...	...	1	1	1
December,	8	3	16	1	...	...	1	2
Sums,	57	38	172	25	14	33	19	7

Table VI.

Total Number of Days on which different Meteorological Phenomena were noted and Total Number of Thunderstorms during each Month of the Year 1898.

Month.	Fog.	Electric Phenomena.	Lightning.	Thunder.	Thunderstorms.	Unusual Visibility.	Dew.	Rainbow.	Lunar Halo.	Lunar Corona.	Solar Halo.	Solar Corona.
January,	4	...	...	...	...	1	5	...	1	...	...	...
February,	11	...	...	...	...	...	4	...	...	1	1	1
March,	7	...	...	...	...	2	5	...	...	1	1	...
April,	6	5	5	3	2	2	6	...	...	...	...	...
May,	3	10	10	1	1	5	9	2	...	4	7	1
June,	...	25	23	17	7	1	...	6	5	4	7	1
July,	4	17	14	8	4	5	5	6	7	4	6	...
August,	5	20	20	7	4	2	10	6	5	6	10	1
September,	10	21	19	15	10	2	13	5	3	5	5	...
October,	4	1	1	1	1	1	3	1	2	1	3	...
November,	3	...	...	...	...	...	2	...	...	1	3	...
December,	4	...	...	...	...	...	1	...	...	...	...	...
Sums,	61	99	92	52	29	21	63	26	23	27	43	4

Table VII.

Total Number of Times that Clouds of different forms were observed in each Month of the Year 1898.

Month.	c.	c-str.	c-cum.	sm-cum.	cum.	cum-str.	str.	R-cum.	cum-nim.	nim.
January,	...	1	11	41	52	...	31	...	2	37
February,	...	1	12	41	74	...	27	2	8	47
March,	...	1	2	37	106	...	41	5	15	26
April,	...	2	18	57	99	...	25	7	11	44
May,	...	28	30	24	149	...	4	...	9	35
June,	...	29	58	26	162	1	5	3	14	55
July,	1	17	98	13	180	1	3	3	11	35
August,	...	34	73	47	168	1	8	5	7	35
September,	...	20	82	50	175	3	5	1	4	14
October,	...	11	41	53	90	...	28	1	3	29
November,	...	14	38	61	83	...	17	1	6	12
December,	...	1	13	27	41	...	5	...	3	2
Sums,	1	159	476	477	1379	6	199	28	93	371

Table VIII.

Month. 1898.	Barometric Tide.	Mean Diurnal Variability of Temperature.	Weight of Water Vapour in Troy Grains in each cubic foot of Air.	Rainfall. Mean.	Rainfall. 1898.	Hourly Intensity of Rain.	Mean Direction of Clouds whence coming. Lower.	Mean Direction of Clouds whence coming. Upper.	Mean Direction of Clouds whence coming. Cirrus.	Number of Days with Clouds below. 2000 ft.	Number of Days with Clouds below. 1000 ft.
January, ...	0.108	2°.80	3.91	1.545	1.160	0.012	E 3° S	S 45° W	...	4	3
February, ...	0.097	2 .47	5.08	2.091	2.520	0.027	E 29° S	W 13° S	...	15	10
March, ...	0.110	2 .26	5.51	2.991	0.170	0.003	E 5° S	S 20° W	...	21	10
April,.....	0.096	2 .20	6.35	5.980	3.440	0.036	E 6° S	W 20° S	...	19	10
May, ...	0.090	1 .65	8.63	13.159	5.700	0.071	E 51° S	S 15° W	...	16	4
June, ...	0.079	1 .34	9.47	16.496	14.250	0.124	S 15° W	W 36° N	...	24	8
July, ...	0.068	0 .76	9.21	14.210	7.055	0.101	S 38° E	E 25° N	...	12	2
August, ...	0.075	1 .25	9.33	13.482	9.900	0.114	S 31° E	W 5° S	...	9	2
September, ...	0.088	0 .91	8.95	8.833	5.295	0.230	E 46° S	W 18° N	...	7	0
October,.....	0.093	2 .02	6.27	5.794	6.720	0.100	E 36° N	N 30° E	...	3	3
November,.....	0.105	2 .44	4.87	1.302	0.790	0.030	E 34° N	S 31° W	...	1	0
December, ...	0.111	1 .99	3.27	0.985	0.025	0.008	E 1° N	W 20° S	...	0	0
Mean,.....	0.093	1 .84	6.74	86.868	57.025	0.071	E 24° S	W 2° N	...	131	52

Table IX.

Monthly Extremes of the Principal Meteorological Elements registered during the Year 1898.

Month.	Barometer. Max.	Barometer. Min.	Temperature. Max.	Temperature. Min.	Humidity. Min.	Vapour Tension. Max.	Vapour Tension. Min.	Rain. Daily Max.	Rain. Hourly Max.	Wind Velocity. Max.	Radiation. Sun
January, ...	30.352	29.848	74.3	46.1	14	0.678	0.068	0.340	0.090	35	137.8
February, ...	.203	.421	77.2	46.6	13	.804	.070	1.190	0.400	36	127.6
March, ...	.084	.667	79.8	53.2	54	.772	.285	0.055	0.025	39	139.8
April,.....	.117	.653	86.3	57.9	42	.830	.307	1.645	0.500	46	141.7
May, ...	29.892	.495	91.5	64.9	44	.981	.390	2.350	0.635	37	148.2
June, ...	.725	.300	91.1	73.6	53	.992	.747	3.505	0.845	46	149.3
July, ...	.853	.344	88.7	76.3	49	.991	.611	1.270	0.340	50	149.8
August, ...	.784	.088	90.4	74.7	57	1.039	.701	2.585	0.780	62	153.6
September, ...	.890	.451	90.0	73.7	51	0.987	.606	0.990	0.545	26	150.4
October,.....	.954	.479	88.5	65.3	28	0.838	.308	2.320	1.070	30	154.4
November,.....	30.287	.606	82.8	50.6	11	0.679	.079	0.690	0.260	33	141.0
December, ...	.275	.875	79.7	50.0	7	0.527	.035	0.025	0.010	30	136.4
Year,.....	30.352	29.088	91.5	46.1	7	1.039	.035	3.505	1.070	62	154.4

Table X.

Five-Day Means of the Principal Meteorological Elements observed at Hongkong in 1898.

Five-Day Periods.	Barometer.	Temperature.	Humidity.	Vapour Tension.	Wind Velocity.	Nebulosity.	Sunshine.	Rain.
January 1– 5	29.965	63.6	85	0.502	11.5	8.2	3.1	0.074
" 6–10	30.217	56.8	59	0.274	9.3	6.5	3.5	0.066
" 11–15	29.987	64.3	78	0.480	9.1	6.8	4.0	0.061
" 16–20	30.093	59.6	73	0.378	9.6	7.6	3.6	0.028
" 21–25	.060	58.0	57	0.294	15.1	1.7	9.8	0.003
" 26–30	.167	58.2	41	0.201	10.8	1.0	8.9	0.000
" 31– 4	29.954	63.7	81	0.485	12.3	6.0	5.5	0.266
February 5– 9	.996	62.7	83	0.477	14.8	7.6	3.7	0.001
" 10–14	.941	60.4	58	0.313	12.3	1.1	10.1	0.000
" 15–19	.613	70.3	91	0.677	13.1	8.1	0.8	0.044
" 20–24	.828	57.7	78	0.389	13.2	10.0	0.0	0.039
" 25– 1	.987	61.9	76	0.440	12.5	6.3	4.1	0.104
March 2– 6	.873	60.7	88	0.472	22.3	9.7	1.2	0.012
" 7–11	.966	61.7	79	0.437	16.8	9.2	1.1	0.004
" 12–16	.918	61.9	76	0.422	10.5	3.5	7.6	0.000
" 17–21	.830	64.9	84	0.516	14.9	8.7	1.5	0.004
" 22–26	.938	66.0	80	0.520	15.0	6.7	4.6	0.011
" 27–31	.822	70.2	87	0.644	13.5	5.8	5.1	0.003
April 1– 5	.878	67.8	83	0.571	14.8	9.4	1.9	0.001
" 6–10	.901	64.2	85	0.511	16.4	9.7	0.0	0.218
" 11–15	.997	67.8	66	0.456	11.8	3.9	7.0	0.000
" 16–20	.782	75.1	84	0.736	5.5	5.8	7.2	0.000
" 21–25	.797	69.6	87	0.626	22.5	9.4	1.1	0.465
" 26–30	.838	70.4	83	0.618	21.3	9.3	2.5	0.004
May 1– 5	.770	71.5	77	0.597	13.3	6.0	6.9	0.352
" 6–10	.682	79.6	82	0.834	8.0	5.6	10.1	0.003
" 11–15	.700	76.3	90	0.816	20.5	8.7	3.5	0.704
" 16–20	.671	79.2	89	0.892	10.7	5.7	7.6	0.039
" 21–25	.818	80.4	84	0.870	11.3	4.3	9.1	0.042
" 26–30	.750	82.6	76	0.845	5.7	2.3	11.6	0.000
" 31– 4	.603	82.9	78	0.877	10.7	6.7	8.3	0.089
June 5– 9	.647	81.0	84	0.889	12.4	9.0	3.2	0.917
" 10–14	.627	84.1	77	0.906	11.9	7.6	8.8	0.024
" 15–19	.510	80.0	86	0.885	13.5	9.4	1.5	0.482
" 20–24	.529	80.7	87	0.907	9.0	9.0	1.4	0.847
" 25–29	.584	81.4	83	0.894	18.0	7.5	6.1	0.323
" 30– 4	.583	80.8	84	0.876	22.0	8.5	5.6	0.443
July 5– 9	.699	81.6	81	0.872	14.0	6.4	8.9	0.190
" 10–14	.742	82.1	76	0.832	8.2	4.3	9.9	0.012
" 15–19	.694	82.5	78	0.866	8.3	5.7	7.7	0.197
" 20–24	.675	81.9	83	0.902	8.0	6.0	7.1	0.110
" 25–29	.549	81.6	79	0.857	21.8	7.3	4.6	0.363
" 30– 3	.509	81.9	80	0.875	11.9	8.3	5.5	0.394
August 4– 8	.357	81.9	83	0.906	19.3	8.9	4.7	0.435
" 9–13	.529	81.8	81	0.880	15.9	7.9	5.6	0.104
" 14–18	.581	80.9	83	0.878	21.1	6.3	7.0	0.574
" 19–23	.682	81.2	79	0.843	8.3	5.3	8.8	0.006
" 24–28	.613	79.7	88	0.888	5.4	7.8	4.8	0.731
" 29– 2	.630	83.0	80	0.910	7.5	5.9	8.8	0.198
September 3– 7	.759	81.3	82	0.874	5.7	5.8	7.5	0.124
" 8–12	.752	79.8	81	0.829	7.8	6.4	6.7	0.276
" 13–17	.718	79.9	83	0.850	9.7	6.3	6.3	0.146
" 18–22	.782	81.1	75	0.795	10.4	3.4	9.9	0.000
" 23–27	.828	80.9	81	0.854	6.0	8.0	4.7	0.280
" 28– 2	.657	79.5	72	0.735	8.8	5.9	6.4	0.047
October..... 3– 7	.829	73.9	69	0.582	17.1	8.7	2.1	0.650
" 8–12	.866	71.2	76	0.578	12.2	7.6	2.6	0.606
" 13–17	.738	76.4	59	0.536	6.2	4.0	9.0	0.000
" 18–22	.761	79.2	65	0.643	9.3	4.1	8.3	0.000
" 23–27	.804	76.5	66	0.610	13.1	4.1	9.2	0.000
" 28– 1	.867	71.5	72	0.561	12.6	9.2	2.1	0.076
November 2– 6	.888	70.7	81	0.608	15.3	8.9	2.7	0.150
" 7–11	.893	71.1	57	0.438	14.8	6.9	4.9	0.008
" 12–16	.701	73.8	62	0.518	6.2	6.2	4.3	0.000
" 17–21	.830	71.5	64	0.498	8.8	4.5	7.6	0.000
" 22–26	30.076	63.3	49	0.295	12.2	2.6	7.8	0.000
" 27– 1	.118	65.6	47	0.301	12.3	2.9	8.5	0.000
December..... 2– 6	.021	62.1	42	0.238	8.7	0.2	9.4	0.000
" 7–11	.047	63.4	57	0.340	14.4	1.4	8.3	0.000
" 12–16	.097	59.8	27	0.144	12.2	0.2	9.2	0.000
" 17–21	.048	63.7	63	0.369	13.4	4.4	6.1	0.005
" 22–26	.105	60.3	55	0.292	8.4	2.4	8.0	0.000
" 27–31	29.972	61.7	70	0.388	13.3	4.0	8.3	0.000

Appendix A.

Results of XV Years' meteorological observations made at the Hongkong Observatory.

In Appendix B to my annual report for the year 1893 (Observations and Researches in 1893 p. 20) are given ten years' means for the daily variation of the meteorological elements. The following table shows the fifteen years' means of the annual and monthly values of the meteorological elements. It also shows the probable upper and lower limits of certain of those values, so determined that in future years the actual values observed are as likely to fall outside as they are to fall within those limits. For instance, the mean temperature of January 1897 being 63°.1, by inspecting the following table, where the upper limit is given as 61°.1 for January, we learn that this month was unusually warm in 1897,—but the total rainfall for June 1896 being 18.630 inches while the upper probable limit for June is 22.792, we learn that this month was not unusually wet in 1896,—or the total rain-fall for May 1885 being 4.860, while the lower limit for the month is 5.178 shows that May was unusually dry in 1885. By applying the laws of chance a number of probabilities can be determined when such limits are known

Table XI.

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Mean pressure,	30.041	30.014	29.938	29.843	29.750	29.652	29.626	29.643	29.712	29.869	29.988	30.064	29.845
Upper limit,	30.070	30.052	29.956	29.859	29.765	29.682	29.652	29.668	29.745	29.893	30.020	30.092	29.854
Lower limit,	30.012	29.976	29.920	29.827	29.735	29.622	29.600	29.618	29.679	29.845	29.956	30.036	29.836
Mean pressure red. to M.S.L.,	30.159	30.132	30.055	29.958	29.863	29.764	29.738	29.755	29.824	29.982	30.103	30.181	29.959
Mean pressure red. to M.S.L. and to 45°, lat.	30.103	30.076	29.999	29.902	29.807	29.708	29.682	29.699	29.768	29.926	30.047	30.125	29.903
Maximum,	30.367	30.390	30.308	30.158	30.045	29.880	29.882	29.851	29.984	30.157	30.311	30.444	30.444
Minimum,	29.686	29.421	29.552	29.576	29.447	29.284	28.762	29.088	28.876	29.089	29.575	29.757	28.762
Barometric tide,	0.107	0.106	0.103	0.093	0.085	0.071	0.068	0.073	0.080	0.091	0.102	0.109	0.091
Mean temperature,	59.7	57.7	62.2	69.9	76.6	80.7	81.6	81.0	80.4	76.2	69.2	62.4	71.5
Upper limit,	61.1	60.0	63.3	71.0	77.7	81.4	82.2	81.4	81.1	77.3	70.1	63.7	72.0
Lower limit,	58.3	55.4	61.1	68.8	75.5	80.0	81.0	80.6	79.7	75.1	68.3	61.1	71.0
Mean maximum,	64.1	61.7	66.4	74.5	81.2	85.2	86.2	86.0	85.3	80.7	74.3	67.5	76.1
Upper limit,	66.0	64.6	67.6	75.7	82.2	86.0	87.1	86.6	86.0	82.0	75.2	68.5	76.7
Lower limit,	62.2	58.8	65.2	73.3	80.2	84.4	85.3	85.4	84.6	79.4	73.4	66.5	75.5
Mean minimum,	56.0	54.5	58.9	66.7	73.5	77.4	78.0	77.3	76.6	72.5	65.3	58.3	67.9
Upper limit,	57.4	56.6	60.0	67.7	74.4	78.0	78.7	77.7	77.5	73.7	66.3	59.8	68.3
Lower limit,	54.6	52.4	57.8	65.7	72.6	76.8	77.3	76.9	75.7	71.3	64.3	56.8	67.5
Maximum,	79.2	79.0	82.1	88.6	91.5	93.6	94.0	92.9	94.0	93.8	85.6	81.9	94.0
Minimum,	32.0	40.3	45.9	55.6	64.1	69.2	72.1	71.6	65.6	60.8	50.6	40.7	32.0
Mean daily range,	8.1	7.2	7.4	7.7	7.7	7.8	8.2	8.7	8.7	8.3	9.0	9.2	8.2
Mean humidity,	74	79	84	85	83	83	83	83	77	71	65	64	78
Upper limit,	78	81	87	87	85	84	85	84	80	75	69	69	79
Lower limit,	70	77	81	83	81	82	81	82	74	67	61	59	77
Minimum,	5	11	24	20	35	34	47	46	25	22	10	7	5
Mean vapour tension,	0.391	0.390	0.480	0.633	0.772	0.873	0.892	0.880	0.800	0.648	0.477	0.372	0.634
Upper limit,	0.416	0.423	0.505	0.662	0.805	0.888	0.906	0.891	0.838	0.702	0.516	0.413	0.648
Lower limit,	0.366	0.357	0.455	0.604	0.739	0.858	0.878	0.869	0.762	0.594	0.438	0.331	0.620

TABLE XI.—*Continued.*

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Maximum,	0.748	0.804	0.825	0.900	1.011	1.053	1.118	1.060	1.057	0.953	0.870	0.741	1.118
Minimum,	0.035	0.036	0.129	0.174	0.314	0.372	0.548	0.562	0.257	0.177	0.067	0.035	0.035
Grains of water vapour,	4.31	4.32	5.27	6.85	8.25	9.26	9.44	9.32	8.49	6.92	5.16	4.09	6.81
Mean solar radiation,	113.3	104.2	112.6	123.5	133.5	137.5	139.8	140.2	140.0	135.4	128.9	120.0	127.4
Maximum solar radiation,	146.5	139.7	142.7	150.0	156.1	159.8	159.6	163.3	158.6	164.0	149.6	143.1	164.0
Mean excess over maximum,	49.2	42.5	46.2	49.1	52.2	52.3	53.6	54.2	54.8	54.6	54.6	52.5	51.3
Mean rain,	1.545	2.091	2.991	5.980	13.159	16.496	14.210	13.482	8.833	5.794	1.302	0.985	86.867
Upper limit,	2.607	3.269	4.478	8.808	21.140	22.792	19.224	17.851	12.201	9.395	2.366	1.664	104.439
Lower limit,	0.483	0.913	1.504	3.152	5.178	10.200	9.196	9.113	5.465	2.193	0.238	0.306	69.295
Maximum in 24 hours,	3.920	2.185	3.580	5.210	20.495	12.630	13.480	6.555	5.855	10.190	5.875	1.670	20.495
Mean maximum in 24 hours,	0.688	0.710	1.160	2.256	4.844	4.438	3.973	3.257	2.951	2.743	0.843	0.522	8.646
Upper limit,	1.175	1.092	1.717	3.209	7.704	6.923	5.775	4.304	4.389	4.471	1.527	0.906	11.700
Lower limit,	0.201	0.328	0.603	1.303	1.984	1.953	2.171	2.210	1.513	1.015	0.159	0.138	5.592
Maximum in 1 hour,	0.510	0.525	1.570	2.420	3.400	2.550	3.480	2.140	1.720	1.650	1.620	0.500	3.480
Mean maximum in 1 hour,	0.188	0.249	0.484	1.018	1.406	1.369	1.333	1.187	1.004	0.702	0.285	0.165	2.116
Upper limit,	0.304	0.385	0.770	1.505	2.030	1.962	1.837	1.546	1.298	1.027	0.502	0.287	2.588
Lower limit,	0.072	0.113	0.198	0.531	0.782	0.776	0.829	0.828	0.710	0.377	0.068	0.043	1.644
Hours of rain,	65	94	87	88	94	96	79	73	57	44	26	34	838
Upper limit,	91	127	109	110	116	122	98	91	72	67	42	52	934
Lower limit,	39	61	65	66	72	70	60	55	42	21	10	16	742
Wind direction,	E 15°N	E 14°N	E 8° N	E 2° N	E 11° S	S 39° E	S 43° E	S 33° E	E 15°N	E 21°N	E 29°N	E 27°N	E 3° S
Wind velocity mean,	14.4	15.0	16.5	14.9	13.5	12.5	11.2	9.6	12.2	14.7	13.8	12.7	13.4
Maximum,	46	53	49	46	42	48	108	66	89	85	49	63	108
Hours of sunshine,	136.7	77.7	79.5	110.7	152.1	155.4	197.6	197.2	200.1	214.5	196.2	189.7	1907.4
Cloudiness,	65	78	84	79	73	75	66	63	56	49	48	47	65
Upper limit,	74	88	92	84	79	80	71	68	61	57	57	58	68
Lower limit,	56	68	76	74	67	70	61	58	51	41	39	36	62
Direction of lower clouds,	E 2° S	E 8° S	E 25° S	E 44° S	S 22° E	S 2° W	S 9° E	S 2° E	E 3° S	E 11°N	E 15°N	E 4° N	E 32° S
Direction of upper clouds,	W16°S	W11°S	W18°S	W 9° S	W	N 30° W	N 40°E	N 32°E	N 33°E	N 20° W	W37°S	W25°S	W 23° N
Direction of cirrus clouds,	W	W	W	W 4° S	W 39° N	N 2° E	N 36°E	N 39°E	N 11°E	N 34° W	W34°S	W 7° S	W 42° N
Number of days with fog,	3	4	8	8	1	1	1	4	4	1	1	2	38
Number of days with electric phenomena,	0	0	4	9	12	17	18	20	13	3	0	0	96
Number of days with thunder,	0	0	3	6	6	9	9	10	6	1	0	0	50
Number of days with lightning,	0	0	3	7	11	16	17	18	12	3	0	0	89
Number of days with thunderstorms,	0	0	2	3	3	4	4	3	2	1	0	0	22
Number of days with rainbow,	0	0	0	0	1	3	5	4	2	1	0	0	17

TABLE XI.—*Continued.*

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Number of days with lunar corona, ...	2	1	1	2	4	6	6	5	5	3	3	2	39
Number of days with lunar halo, ...	0	0	1	0	2	4	6	6	4	1	1	0	26
Number of days with solar corona, ...	0	0	1	0	0	1	1	1	1	0	0	0	5
Number of days with solar halo, ...	0	0	1	2	2	5	7	7	4	1	1	0	30
Number of days with dew,	3	2	3	6	6	4	7	11	8	3	5	5	63
Number of days with unusual visibility, ...	1	2	2	2	3	4	4	4	3	3	3	2	33

Appendix B.

Magnetic Observations made during the year 1898, Comparison of Magnetometers and Means of 15 years' Magnetic Observations made in Hongkong.

The observations of declination and horizontal force published in Tables XII, XIII. and XIV. were made with magnet No. 55 on Kew pattern unifilar magnetometer Elliott Brothers No. 55 (unless otherwise stated) and with magnets No. 83 and 83A on magnetometer No. 83. The dip observations were made with dip-circle Dover No. 71, as usual.

The vibrations made with inertia bars published in Table XIV. furnish the moments of inertia by comparison with corresponding vibrations without the bars published in Table XIII.

The observations of horizontal force are expressed in C.G.S. units but the monthly synopsis in Table XV. exhibits also the vertical and total forces (computed by aid of the observed dips), and exhibits them also in British units and in Gauss's units. The value of log $\pi^2 K$ for 25° Cent. was for magnet No. 55 $3.44938 \pm .00007$ before cleaning, and 3.44901 ± 0.00009 after cleaning, for No. 83 3.44851 ± 0.00009, and for No. 83A. 3.46870 ± 0.00004. The induction coefficient used was, for No. 55, 5.189 ± 0.055, for No. 83, 5.151 ± 0.084, and for No. 83A, 6.160 ± 0.084. The temperature-reductions of m, the magnetic moments of the magnets, were as follows :—

No. 55 (Hongkong 1886) : $+ 0.000260t + 0.00000244t^2$

No. 83 (Kew 1897) : $+ 0.000283t + 0.00000102t^2$

No. 83A. (Kew 1897) : $+ 0.000384t + 0.00000166t^2$

The times of vibration exhibited in Tables XIII. and XIV. are each derived from 12 observations of the time occupied by the magnet in making 100 vibrations, corrections having been applied for rate of chronometer and arc of vibration. The vibrations made with the inertia bar are usually the mean of vibrations made before and after vibrations taken without the bar.

The mean value of the magnetic moment of magnet No. 55 was 0.44794 in British units and 584.82 in C.G.S. units.

Table XII.

Observations of Magnetic Declination and Dip.

1898.	H.K.M.T.	Declination East.	Magnet No.	Observer.	H.K.M.T.	Dip North.	Needle No.	Observer.
February, ...	12d. 3h. 4m. p.	0° 23′19″	83	F.G.F.	14d. 4h. 36m. p.	31° 35′.32	3	F.G.F.
	14 3 5 p.	24 43	55	"		34.92	4	"
	15 2 41 p.	24 42	55	"	15 3 57 p.	36.04	3	"
						34.45	4	"
	16 3 6 p.	24 55	55	"				
	3 45 p.	24 54	83	"				
April, ...	12 2 59 p.	22 35	83	"	12 4 21 p.	35.18	3	"
						35.84	4	"
	15 2 55 p.	22 47	83	"	15 4 28 p.	34.60	3	"
						33.77	4	"
	18 3 6 p.	23 15	83	"				
June, ...	13 2 57 p.	21 37	83	"	13 4 42 p.	36.85	3	"
	15 2 52 p.	21 48	83	"		32.75	4	"
	17 2 58 p.	21 53	83	"	17 4 22 p.	34.67	4	"
					21 4 22 p.	29.46	3	"
						31.03	4	"
					4 22 p.	* 32.25	3	"
August, ...	15 2 59 p.	21 23	83	"	12 3 44 p.	29.45	3	"
	16 2 50 p.	21 33	83	"		29.88	4	"
	19 3 15 p.	20 52	83	"	18 4 15 p.	31.03	3	"
						31.39	4	"
October, ...	12 3 5 p.	22 25	83	"	12 4 35 p.	33.76	7	"
	14 3 7 p.	22 22	55	"		34.06	8	"
	18 3 14 p.	22 15	83	"	17 4 2 p.	30.47	3	"
						32.82	4	"
December, ...	16 3 19 p.	22 35	83	"	19 4 30 p.	32.01	4	"
	19 3 15 p.	22 36	83	"		35.24	7	"

* Observed in 20° and 110° magnetic azimuth.

Table XIII.

Observations of Horizontal Magnetic Force made from the 1st January, 1898, till the 1st March, 1899.

Date.	H K.M.T.	Time of one Vibration.	Temp. Cent.	Torsion.	Log m X.	Value of m.	Magnet. No.	H.K.M.T.	Dist. in cm.	Temp. Cent.	Deflection.	P.	Log $\frac{m}{X}$.	Value of X.	Observer.
1898—February 9, ...	3h 40m p.	3s.6272	18°.35	4'.74	2.33084	585.40	55	2h 41m p.	30	18°.15	6° 48' 0".0	5.899	...	0.36592	F.G.F.
									40		2 51 20 .0				
								4 44 p.	30		6 48 18 .7		3.20399		
									40		2 51 35 .0		3.20414		
„ 11, ...	4 42 p.	3.6295	21 .55	5 .50	2.33075	585.06	„	2 56 p.	30	20 .5	6 47 8 .7	...	...	0.36606	„
									40		2 51 0 .0				
								5 10 p.	30		6 47 27 .5		3.20349		
									40		2 51 20 .0		3.20382		
„ 12, ...	1 19 p.	3.6276	19 .9	5 .58	2.33092	...	„	.....	...	...	.....	...	...	0.36603	„
„ 14, ...	12 55 p.	3.6298	22 .8	4 .93	2.33093	...	„	.....	...	..	.....	...	...	0.36603	„
„ 15, ...	1 4 p.	3.6307	22 .35	4 .34	2.33068	...	„	.....	...	...	.....	...	...	0.36593	„
„ 18, ...	3 39 p.	3.6335	24 .35	2 .43	2.33050	585.10	„	3 4 p.	30	24 .5	6 47 12 .5	...	3.20413	0.36582	„
									40		2 50 52 .5		3.20381		
„ 21, ...	3 32 p.	3.6302	19 .6	2 .53	2.33048	...	„	.....	...	...	.....	...	...	0.36585	„
„ 24, ...	3 27 p.	3.6257	14 .85	3 .69	2.33071	...	„	.....	...	...	.....	...	...	0.36594	„
April 14, ...	3 36 p.	3.6316	22 .5	3 .23	2.33059	585.20	„	2 56 p.	30	22 .35	6 47 37 .5	...	...	0.36584	„
									40		2 51 2 .5				
								4 17 p.	30		6 47 31 .2		3.20412		
									40		2 51 6 .2		3.20390		
May 11, ...	3 42 p.	3.6355	29 .1	2 .51	2.33088	...	„	.....	...	...	.....	...	...	0.36612	„
„ „	4 58 p.	3.6371	28 .65	2 .44	2.33041	...	„	.....	...	...	.....	...	...	0.36592	„
June 14, ...	3 34 p.	3.6383	31 .7	2 .52	2.33071	584.79	„	2 59 p.	30	31 .3	6 45 5 .0	...	...	0.36618	„
									40		2 50 3 .7				
								4 11 p.	30		6 45 33 .7		3.20345		
									40		2 50 8 .7		3.20315		
„ 20, ...	3 57 p.	3.6343	28 .0	2 .71	2.33095	584.82	„	3 19 p.	30	27 .65	6 45 41 .2	...	...	0.36638	„
									40		2 50 21 .2				
								4 37 p.	30		6 45 50 .0		3.20318		
									40		2 50 18 .7		3.20303		
July 19, ...	4 19 p.	3.6379	31 .05	2 .46	2.33067	...	„	.....	...	...	.....	...	...	0.36627	„
„ „	5 44 p.	3.6375	29 .75	2 .41	2.33054	...	„	.....	...	...	.....	...	...	0.36623	„
„ 20, ...	1 17 p.	3.6417	32 .4	2 .49	2.33005	...	„	.....	...	...	.....	...	...	0.36602	„
October 14, ...	4 12 p.	3.6384	28 .3	3 .74	2.32994	584.08	„	3 43 p.	30	27 .65	6 45 10 .0	...	...	0.36599	„
									40		2 50 21 .0				
								4 42 p.	30		6 45 26 .0		3.20270		
									40		2 50 31 .0		3.20328		
November 22, ...	1 22 p.	3.6311	20 .4	5 .26	2.33017	...	„	.....	...	...	.....	...	...	0.36609	„
„ „ ...	3 53 p.	3.6322	21 .45	5 .02	2.33011	...	„	.....	...	...	.....	...	...	0.36607	„
December 20, ...	3 49 p.	3.6376	22 .25	5 .92	2.32851	...	„	.....	...	...	.....	...	...	...	„
„ 21, ...	1 3 p.	3.6364	20 .8	6 .10	2.32853	...	„	.....	...	...	.....	...	...	...	„
„ „ ...	3 54 p.	3.6360	21 .15	5 .70	2.32872	...	„	.....	...	...	.....	...	...	...	„
„ 22, ...	1 4 p.	3.6361	21 .7	6 .14	2.32876	...	„	.....	...	...	.....	...	...	...	„
„ „ ...	3 50 p.	3.6374	22 .3	5 .88	2.32855	...	„	.....	...	...	.....	...	...	...	„
„ 24, ...	.....	...	...	...	...	...	„	2 32 p.	24	21 .5	13 19 45.0	...	...	...	W.D.
									32		5 33 2.5				
„ 25, ...	.....	...	...	...	...	...	„	11 55 p.	24	20 .4	13 19 48.8	...	...	...	„
									32		5 33 20.0				
								[illegible]	24	20 .6	13 19 39.0			0.36659	„

TABLE XIII.,—*Continued.*

Date.	H.K.M.T.	Time of one Vibration.	Temp. Cent.	Torsion.	Log m X.	Value of m.	Magnet. No.	H.K.M.T.	Dist. in cm.	Temp. Cent.	Deflection.	P.	Log $\frac{m}{X}$.	Value of X.	Observer.
1898—December 26, ...	.....	...	...	...	...	...	55	12h.22m. p.	24	20°.75	13° 20′ 3″.7	...	...	...	W.D.
									32		5 33 8.8				
„ 27, ...	.....	...	...	...	...	...	„	10 56 p.	24	18.75	13 21 26.2	7.647	3.20030	...	„
									32		5 33 13.7		3.20030		
1899—January 3, ...	.....	...	...	...	...	...	„	3 53 p.	24	18.8	13 20 40.0	...	...	...	F.G.F.
									30		6 45 40.6				
									40		2 50 20.0			0.36581	
„ 5, ...	.....	...	...	...	...	...	„	3 56 p.	24	19.0	13 20 23.1	*2.464	3.20226	...	„
									30		6 45 30.6		3.20228		
									40		2 50 8.1		3.20228		
„ 4, ...	.....	...	...	...	...	...	„	3 57 p.	27	19.3	9 17 50.0	8.163	...	...	„
									36		3 53 23.7				
									27		9 18 13.7		3.19988	0.36681	
									36		3 53 33.7		3.19989		
„ 12, ...	3h.48m. p.	3s.6366	23°.5	6′.16	2.32896	581.80	„	3 21 p.	30	3.05	6 44 53.7	7.615	3.20057	0.36661	„
									40		2 49 53.7		3.20058		
„ 17, ...	4 40 p.	3.6347	20.5	6.01	2.32891	581.62	„	2 51 p.	30	20.5	6 45 6.2	...	3.20033	0.36667	„
									40		2 50 0.0		3.20039		
„ 18, ...	4 22 p.	3.6346	20.0	6.27	2.32882	581.80	„	2 50 p.	30	19.4	6 45 36.2	...	3.20067	0.36648	„
									40		2 50 13.7		3.20077		
„ 19, ...	.....	...	...	...	...	...	„	3 45 p.	24	20.1	13 20 1.2	...	...	...	„
									27		9 18 10.0				
									30		6 45 21.3				
									36		3 53 43.8				
									40		2 50 4.4				
1899—February 1, ...	.....	...	...	...	...	...	„	3 39 p.	24	19.2	13 20 33.7	...	...	...	„
									27		9 18 17.5				
									30		6 45 30.0				
									36		3 53 40.0				
									40		2 50 8.7				
„ 2, ...	.....	...	...	...	...	...	„	3 47 p.	24	17.0	13 21 1.3	...	...	...	„
									27		9 18 50.0				
									30		6 45 55.0				
									36		3 53 51.2				
									40		2 50 16.9				
„ 7, ...	.....	...	...	...	...	...	„	3 47 p.	24	19.1	13 19 45.0	†9.010	3.20022	...	„
									27		9 17 46.2		3.20019		
									30		6 45 10.0		3.20022		
									36		3 53 27.5		3.20011		
									40		2 50 3.1		3.20019		
1898—February 8, ...	4 21 p.	3.0475	20.85	0.48	2.48245	828.13	83	4 10 p.	30	20.25	9 38 53.7	7.631	...	0.36673	„
									40		4 2 15.0				
								4 42 p.	30		9 39 7.5		3.35385		
									40		4 2 21.2		3.35366		
„ 9, ...	3 13 p.	3.0466	18.3	0.54	2.48217	828.15	„	4 16 p.	30	18.15	9 39 42.5	...	3.35402	0.36649	„
									40		4 2 43.7		3.35408		

* Q. = + 1473.

Q. = — 840.8

TABLE XIII.,—*Continued.*

Date.	H.K.M.T.	Time of one Vibration.	Temp. Cent.	Torsion.	Log m X.	Value of m.	Magnet. No.	H.K.M.T.	Dist. in cm.	Temp. Cent.	Deflection.	P.	Log $\frac{m}{X}$.	Value of X.	Observer.
1898—February 11, ...	4h 19m p.	3s.0474	20°.2	1'.47	2.48216	826.70	83	3h 44m p.	30	20°.05	9°36'30".0	...	3.35196	0.36712	F.G.F.
									40		4 2 1.0		3.35312		
„ 25, ...	12 59 p.	3.0485	16.7	1.36	2.48133	...	„	.....	...	...	.....	...	...	...	„
April 13, ...	3 29 p.	3.0606	23.4	1.27	2.47889	822.45	„	2 50 p.	30	23.4	9 35 1.2	...	...	0.36625	„
									40		4 0 36.2				
								4 43 p.	30	22.8	9 35 13.8		3.35142		
									40		4 0 47.5		3.35126		
May 9, ...	4 46 p.	3.0702	31.3	2.36	2.47733	...	„	.....	...	...	.....	...	...	...	„
June 16, ...	3 32 p.	3.0893	28.4	2.24	2.47147	807.68	„	2 57 p.	30	28.3	9 23 0.0	...	...	0.36663	„
									40		3 55 28.7				
								4 8 p.	30	28.75	9 23 7.5		3.34322		
									40		3 55 37.5		3.34280		
July 18, ...	4 17 p.	3.1031	28.65	2.43	2.46762	...	„	.....	...	...	.....	...	...	...	„
„ 19, ...	1 3 p.	3.1043	30.35	2.13	2.46759	...	„	.....	...	...	.....	...	...	...	„
August 15, ...	4 26 p.	3.1186	29.55	2.33	2.46345	792.34	„	3 49 p.	30	29.4	9 11 18.7	...	...	0.36689	„
									40		3 50 55.0				
								5 10 p.	30	28.9	9 11 53.7		3.33447		
									40		3 50 53.8		3.33427		
„ 16, ...	4 13 p.	3.1188	1.9	1.99	2.46379	792.56	„	3 42 p.	30	31.8	9 10 45.0	...	...	0.36707	„
									40		3 50 45.0				
								4 43 p.	30		9 10 47.5		3.33426		
									40		3 50 33.8		3.33426		
October 13, ...	3 50 p.	3.1389	28.35	2.45	2.45758	781.25	„	3 21 p.	30	27.45	9 3 40.0	...	...	0.36711	„
									40		3 47 39.0				
								4 27 p.	30		9 4 1.0		3.32807		
									40		3 47 45.0		3.32792		
November 23, ...	12 47 p.	3.1451	20.9	2.34	2.45474	...	„	.....	...	...	.....	...	...	...	„
December 16, ...	4 42 p.	3.1508	18.4	2.22	2.45279	773.50	„	4 12 p.	30	18.4	9 0 52.5	...	3.32422	0.36672	„
									40		3 46 27.5		3.32404		
„ 30, ...	1 8 p.	3.1493	20.9	4.71	2.45337	...	„	.....	...	...	.....	...	...	...	„
„ „ ...	3 37 p.	3.1501	21.2	4.60	2.45320	...	„	.....	...	...	.....	...	...	...	„
1899—January 9, ...	.....	...	...	...	...	...	„	3 52 p.	24	20.1	17 52 5.0	...	...	...	„
									27		12 24 46.2				
									30		8 59 45.0				
									36		5 10 40.0				
									40		3 46 1.9				
„ 10, ...	.....	...	...	...	...	...	„	3 47 p.	24	20.0	17 51 17.5	...	...	...	„
									27		12 24 12.5				
									30		8 59 32.5				
									36		5 10 27.5				
									40		3 45 51.3				
„ 11, ...	.....	...	...	...	...	...	„	4 2 p.	24	20.8	17 51 12.5	...	...	...	„
									27		12 24 1.2				
									30		8 59 11.3				
									36		5 10 20.0				
									40		3 45 43.1				

Date.	H.K.M.T.	Time of one Vibration.	Temp. Cent.	Torsion.	Log m X.	Value of m.	Magnet, No.	H.K.M.T.	Dist. in cm.	Temp. Cent.	Deflection.	P.	Log $\frac{m}{X}$.	Value of X.	Observer.
1899—January 12, ...	.....	...	...	...	...	...	83	$3^h.55^m$ p.	24	22°.3	17° 50′ 36″.3	*11.12	3.32247	...	F.G.F.
									27		12 23 56.2		3.32249		
									30		8 59 12.5		3.32247		
									36		5 10 17.5		3.32250		
									40		3 45 36.9		3.32247		
February 14, ...	$3^h.$ 2^m p.	3^s.1538	20°.4	1′.63	2.45229	773.80	„	3 59 p.	27	19.9	12 23 41.2	4.321	3.32503	†0.36616	„
									30		8 59 23.7		3.32491		
									36		5 10 43.8		3.32477		
									40		3 46 25.0		3.32512		
„ 15	4 18 p.	3.1564	23.3	1.34	2.45205	771.26	„	3 23 p.	27	23.0	12 22 27.5	8.480	3.32233	0.36715	„
									30		8 58 8.8		3.32240		
									36		5 9 42.5		3.32245		
									40		3 45 16.3		3.32229		
1898—December 23, ...	3 41 p.	3.4199	20.7	2.26	2.40279	...	83A	.....	...	...	.....	...	...	...	„
„ 28, ...	1 17 p.	3.4192	22.3	5.43	2.40304	...	„	.....	...	...	.....	...	...	...	„
„ „ ...	3 49 p.	3.4214	23.3	5.00	2.40273	...	„	.....	...	...	.....	...	...	...	„
„ 29, ...	1 5 p.	3.4201	22.4	5.34	2.40283	...	„	.....	...	...	.....	...	...	...	„
„ „ ...	3 41 p.	3.4199	22.35	5.20	2.40288	...	„	.....	...	...	.....	...	...	...	„
1899—January 13, ...	4 16 p.	3.4206	22.7	5.23	2.40280	689.10	„	2 43 p.	30	22.7	7 57 43.8	5.353	3.27368	0.36687	„
									40		3 20 26.2		3.27356		
								4 47 p.	30	22.3	7 58 1.3		3.27386		
									40		3 20 38.8		3.27394		
„ 17, ...	4 14 p.	3.4190	20.65	5.34	2.40277	688.57	„	3 42 p.	30	20.7	7 57 38.7	...	3.27316	0.36712	„
									40		3 20 26.2		3.27312		
„ 18, ...	3 55 p.	3.4199	19.7	5.62	2.40231	688.38	„	3 28 p.	30	19.5	7 58 3.7	...	3.27329	0.36684	„
									40		3 20 41.2		3.27340		
„ 20, ...	.....	...	...	...	...	...	„	3 49 p.	24	19.75	15 43 51.2	...	...	...	„
									27		10 58 1.3				
									30		7 57 47.5				
									36		4 35 27.5				
									40		3 20 31.9				
„ 31, ...	.....	...	...	...	...	...	„	3 45 p.	24	19.0	15 44 36.2	...	...	...	„
									27		10 58 0.0				
									30		7 57 53.8				
									36		4 35 30.0				
									40		3 20 33.1				
February 3, ...	.....	...	...	...	...	...	„	4 7 p.	24	19.5	15 43 51.3	...	...	...	„
									27		10 57 38.7				
									30		7 57 25.0				
									36		4 35 10.0				
									40		3 20 21.3				
„ 6, ...	.....	...	...	...	...	...	„	3 50 p.	24	17.8	15 43 43.8	4.843	3.27286	...	„
									27		10 57 28.7		3.27298		
									30		7 57 33.8		3.27308		
									36		4 35 22.5		3.27306		
									40		3 20 32.5		3.27303		

† Magnetic Disturbance.

* Q = —1294.

Table XIV.

Observations of Moments of Inertia of Magnets made from the 1st January, 1898, till the 1st March, 1899.

Date.	H. K. M. T.	Time of one vibration.	Temp. Cent.	Torsion.	Log T^2	Log $\pi^2 K$	Magnet No.	Bar No.	Magnetometer No.	Observer.
	h. m.									
1898 Feb. 12,.....	12 56 p.	5ˢ.8910	19°.45	7′.86	1.53982	3.44966	55	55	55	F. G. F.
„ „ 14,.....	1 18 p.	5 .8980	23 .25	6 .80	1.54015	3.44916	55	55	55	„
„ „ 15,.....	1 3 p.	5 .8991	22 .3	6 .49	1.54046	3.44907	55	55	55	„
„ „ 21,.....	3 31 p.	5 .9711	19 .6	4 .61	1.55125	3.44959	55	83	83	„
„ „ 24,.....	3 28 p.	5 .9640	14 .9	5 .81	1.55103	3.44943	55	83	83	„
„ May 11,.....	3 42 p.	5 .9058	29 .15	4 .41	1.54012	3.44948	55	55	83	„
„ „ „	4 59 p.	5 .9827	28 .7	4 .41	1.55144	3.44972	55	83	83	„
„ July 19,.....	4 19 p.	5 .9842	31 .05	4 .52	1.55125	3.44967	55	83	83	„
„ „ „	5 43 p.	5 .9822	29 .85	4 .46	1.55116	3.45002	55	83	55	„
„ „ 20,.....	1 15 p.	5 .9148	32 .2	4 .52	1.54090	3.44970	55	55	55	„
„ Nov. 22,.....	1 22 p.	5 .8991	20 .4	7 .30	1.54083	3.44922	55	55	55	„
„ „ „	3 30 p.	5 .9743	21 .3	7 .13	1.55167	3.44962	55	83	55	„
„ Dec. 20,.....	3 20 p.	5 .9114	22 .6	8 .30	1.54236	3.44887	*55	55	83	„
„ „ „	4 16 p.	5 .9530	21 .8	8 .28	1.54859	3.44862	55	83A	83	„
„ „ 21,.....	1 30 p.	5 .9098	21 .6	8 .27	1.54228	3.44895	55	55	83	„
„ „ „	12 38 p.	5 .9505	20 .3	8 .54	1.54847	3.44873	55	83A	83	„
„ „ „	3 23 p.	5 .9092	21 .2	8 .10	1.54225	3.44867	55	55	83	„
„ „ „	4 11 p.	5 .9505	21 .1	7 .80	1.54828	3.44875	55	83A	83	„
„ „ 22,.....	12 37 p.	5 .9064	20 .7	8 .69	1.54196	3.44907	55	55	83	„
„ „ „	1 34 p.	5 .9835	22 .3	8 .58	1.55296	3.44912	55	83	83	„
„ „ „	4 20 p.	5 .9089	22 .2	8 .23	1.54205	3.44931	55	55	83	„
„ „ „	3 24 p.	5 .9831	22 .5	8 .23	1.55285	3.44964	55	83	83	„
„ Feb. 25,.....	12 56 p.	5 .0185	16 .6	2 .00	1.40012	3.44859	83	83	83	„
„ May 9,.....	4 46 p.	5 .0527	31 .3	4 .38	1.40412	3.44907	83	83	83	„
„ July 18,.....	3 49 p.	5 .1090	28 .6	5 .14	1.41425	3.44830	83	83	83	„
„ „ 19,.....	1 5 p.	5 .1110	30 .5	4 .19	1.41422	3.44846	83	83	83	„
„ Nov. 23,.....	12 26 p.	5 .1755	20 .2	4 .60	1.42668	3.44876	83	83	83	„
„ Dec. 30,.....	1 12 p.	5 .1855	20 .9	6 .60	1.42840	3.44823	83	83	83	„
„ „ „	3 38 p.	5 .1872	21 .25	6 .45	1.42863	3.44812	83	83	83	„
„ Dec. 23,.....	3 43 p.	5 .5191	20 .7	3 .03	1.48165	3.46847	83A	83A	83	„
„ „ 28,.....	1 17 p.	5 .5161	22 .3	7 .12	1.48117	3.46886	83A	83A	83	„
„ „ „	3 50 p.	5 .5201	23 .3	7 .00	1.48160	3.46870	83A	83A	83	„
„ „ 29,.....	1 7 p.	5 .5179	22 .4	7 .33	1.48146	3.46875	83A	83A	83	„
„ „ „	3 44 p.	5 .5183	22 .4	7 .28	1.48152	3.46858	83A	83A	83	„

* Magnet No. 55 was cleaned and readjusted at the end of November, 1898.

In order to compare the results obtained with the different instruments it is necessary to know the probable errors so as to be able to judge how much of the difference is due to chance and how much to other causes. The probable errors may be estimated to be about the following: rate of chronometer 0ˢ.1, torsion (for 90°) 0′.1, temperature 0°.5, induction 2 %, observed period of vibration 0ˢ.0004, moment of inertia 0.00012, circle readings 10″, value of P 1.0. The following errors in the value of the horizontal force (expressed in units of the fifth decimal) are caused by these errors in the elements: by error of temperature 4, through vibration, and 4, through deflection, by induction-error 1, by vibration error 4, by moment of inertia 5, by defective circle readings 4, by wrong P 20. The probable error of a horizontal force is therefore about 0.00022. In England, where the horizontal force is only half of that in Hongkong, the probable error also ought to be about half of that in Hongkong.

From direct comparison of observations a smaller value of the error (say 0.00013) might be obtained as they are often reduced without changing K and P. The moment of inertia was determined at 25° Cent. for magnet 55 by using its own bar to be 3.44938 ± 0.00007 and by the bar supplied with No. 83 to be 3.44968 ± 0.00008. After cleaning it came out as 3.44901 ± 0.00009 by its own bar, as 3.44941 ± 0.00023 by the bar of 83, and as $3,44874 \pm 0.00005$ by the bar of 83A. These differences may be caused by minute internal cavities in the different bars. The moments of inertia adopted for each magnet have been observed with its own bar. A part of the differences of the results obtained with different magnetometers is due to this cause.

It has been suggested that the differences between magnetometers are due to traces of magnetic metals in the magnetometers. In Hongkong we have not found any perceptible difference between the old instrument made in 1883 and the new instrument made in 1897.

With reference to the induction coefficient, this has been obtained for both the horizontal and vertical position of the magnet by aid of the following formulæ :—

$$\mu_h = \frac{m \tan \frac{1}{2}(\phi - \phi')}{X \tan \frac{1}{2}(\phi + \phi')} \text{ and } \mu_v = \frac{m \tan \frac{1}{2}(\phi - \phi')}{\tan i \; X \tan \frac{1}{2}(\phi + \phi')}$$

The following refers to Magnet No. 55 :—

Year.	$\frac{1}{2}(\phi-\phi')$	μ_h	$\frac{1}{2}(\phi-\phi')$	μ_v	Year.	$\frac{1}{2}(\phi-\phi')$	μ_h	$\frac{1}{2}(\phi-\phi')$	μ_v
1886,.....	99".99	5.286	60".68	4.977	1892,.....	48".20	4.722	35".25	5.297
„	93 .28	5.463	60 .00	4.924	1898,.....	104 .37	5.411	69 .62	5.794
„	...	...	62 .20	5.113	„	104 .50	5.426	63 .75	5.299
1892,.....	97 .20	4.948	66 .90	5.498	„	97 .75	5.068	73 .87	6.112

We therefore have for magnet No. 55 $\mu_h = 5.189 \pm 0.055$ and $\mu_v = 5.377 \pm 0.093$ while the value obtained at Kew in 1883 was 4.9. Similarly we have for magnet No. 83 $\mu_h = 5.151 \pm 0.084$ and $\mu_v = 5.480 \pm 0.151$, while the value obtained at Kew was 4.962; and for No. 83A 6.160 ± 0.084 and 6.482 ± 0.151 while the value obtained at Kew was 6.047. The probable error of a single observed μ_h is 0.146, and of a single μ_v it is 0.262, so that the latter is about double the former because the vertical force is so small here. It will be seen from the table that a smaller value of the coefficient results from using smaller deflections, though the effect of this is so small that it may almost be attributed to chance. The induction coefficient of No. 55 shows no sign of change in course of sixteen years. No. 83 appears to have been made from the same steel tube, but No. 83A was made of another tube of different steel and shows larger temperature and induction coefficients. The values obtained at Kew, where the vertical force is large and where only vertical induction is observed, agree best with the values obtained at Hongkong, where the horizontal force is large, with the magnet horizontal. The differences between the values obtained in the two positions are larger than the probable errors of the differences and must be ascribed to the fact that the induced magnetism is not distributed over the magnet in the same manner as the permanent magnetism. Magnets destined for use near the magnetic poles ought therefore to be examined in the horizontal position at Kew.

The determination of P is very precarious and probably the difference between the results obtained with different magnetometers depends mainly upon errors made in the determinations of that constant which affects the third decimal of the horizontal force. Its determination is extremely liable to be vitiated by even small magnetic disturbances in horizontal force and still more by disturbances in declination. It does therefore not help matters much when P is separately determined each day, and the changes in P obtained in that way are evidently not to be trusted, even when the deflections have been observed with the greatest care, when the torsion has been reduced to a minimum, and precautions have been taken to protect the silk fibre from changes in humidity during the progress of the observations. According to Lamont's theory the lengths of the magnets are so selected as to make P very small, while no steps are taken to reduce Q, which being divided by the fourth power of the distance has an only minute effect on m : X. P and Q depend upon the "lengths of the magnets." If the magnet loses more magnetism near its middle than elsewhere, this "length" increases and *vice versa*, but when the progressive decrease of the magnetic moment has become so steady as in case of No. 55 it is not likely that changes in its P constant can amount to as much as the observations directly indicate. The effect of the P correction is very much decreased by observing at greater distances, for instance at 36 and 48, but at least in Hongkong even if m were kept as large as possible, the angles of deflection are then so much decreased that the observations must be indefinitely multiplied in order to attain to any accuracy especially on account of small magnetic disturbances. On the other hand it is scarcely legitimate to approach the magnets as close to each other as 24 centimeters.

From observations made with No. 55 at 5 different distances between January 19 and February 7, 1899, it follows that the correction to the horizontal force obtained with distances 30 and 40 only (P + 7.614) requires a correction of + .00011, while with 3 distances between January 3rd and 5th follows − .00018 (P 4.997). The correction to No. 83 from 5 distances, January 9 to 12, is + .00015 to the force obtained from 30 and 40 alone (P + 8.91). In case of 83A there seems to be no correction.

From 7 comparisons between 83 and 55, each used on its own magnetometer, it follows that the horizontal force obtained with the former exceeds that with the latter by $.00069 \pm .00008$, while from 3 comparisons between 83A and 55 the former exceeds the latter by $.00035 \pm .00004$. The former were compared throughout the year, the latter on only a few days, but the latter comparison was made

from simultaneous observations. As explained above the probable errors are not trustworthy. In course of time with changed P different results may be expected. These corrections are applied to all observations made with the new magnetometer.

Table XV.

Results of Magnetic Observations in 1898.

Month.	Declination East.	Dip North.	Magnetic Force.								
			English Units.			Metric Units.			C. G. S. Units.		
			X	Y	Total.	X	Y	Total.	X	Y	Total.
February, .	0° 24′ 31″	31° 35′ 11″	7.9389	4.8815	9.3197	3.6605	2.2508	4.2971	0.36605	0.22508	0.42971
April, ...	22 52	34 51	7.9312	4.8757	9.3100	3.6570	2.2480	4.2927	0.36570	0.22480	0.42927
June, ...	21 46	32 50	7.9415	4.8755	9.3186	3.6617	2.2480	4.2967	0.36617	0.22480	0.42967
August, ...	21 16	30 26	7.9442	4.8696	9.3180	3.6629	2.2453	4.2964	0.36629	0.22453	0.42964
October, ..	22 21	32 47	7.9424	4.8760	9.3197	3.6621	2.2482	4.2971	0.36621	0.22482	0.42971
December, .	22 36	33 37	7.9385	4.8763	9.3166	3.6603	2.2484	4.2958	0.36603	0.22484	0.42958
Mean, ...	0 22 34	31 33 17	7.9394	4.8758	9.3171	3.6607	2.2481	4.2960	0.36607	0.22481	0.42960

Table XVI. exhibits the means of 15 years' observations, but as no observations were made from May, 1890, till April, 1891, inclusive, less weight has been attributed to 1890 and 1891. The values for other months without observations were interpolated. All the results have been referred to the middle of the year by applying corrections for secular variation. The monthly means refer, as far as secular variation is concerned, to the middle of 1891. All the observations were made early in the afternoon, but as no correction for daily variation has been applied, the annual and semi-annual inequalities have not been determined.

Table XVI.

Means of Magnetic Observations made during 15 years in Hongkong.

Year.	Declination East.	Dip North.	Force.			Month.	Declination East.	Dip North.	Force.		
			X	Y	Total.				X	Y	Total.
1884...	0° 47′ 2″	32° 26′ 35″	0.36026	0.22902	0.42689	January, .	0° 35′ 46″	32° 4′ 9″	0.36289	0.22734	0.42824
1885...	45 10	26 22	.36021	.22894	.42681	February, .	35 29	3 22	.36297	.22730	.42827
1886...	42 57	25 32	.36063	.22909	.42725	March, ...	34 50	2 54	.36297	.22723	.42824
1887...	42 7	22 24	.36125	.22902	.42773	April, ...	34 4	3 5	.36297	.22726	.42825
1888...	40 59	20 58	.36131	.22884	.42769	May, ...	33 57	4 25	.36299	.22746	.42837
1889...	38 30	16 53	.36190	.22862	.42806	June, ...	34 0	4 6	.36309	.22748	.42847
1890...	37 20	8 38	.36233	.22767	.42792	July, ...	34 21	4 33	.36298	.22747	.42838
1891...	35 17	5 24	.36255	.22734	.42794	August, ...	34 0	4 25	.36284	.22736	.42821
1892...	33 33	3 31	.36352	.22767	.42893	September,	34 26	4 35	.36281	.22736	.42818
1893...	31 3	31 56 40	.36434	.22717	.42936	October, ...	35 26	5 14	.36281	.22746	.42822
1894...	29 13	53 19	.36448	.22677	.42926	November,	35 53	6 2	.36290	.22763	.42841
1895...	27 47	46 54	.36479	.22595	.42913	December,	35 48	4 55	.36291	.22746	.42834
1896...	26 6	41 32	.36462	.22510	.42852						
1897...	23 25	37 03	.36546	.22498	.42916						
1898...	22 37	33 25	.36604	.22481	.42957						
Mean .	0 34 45	32 4 7	0.36295	0.22739	0.42831	Mean, ...	0 34 50	32 4 19	0.36293	0.22740	0.42830

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JANUARY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Jan. 1,...	29.927	29.930	29.929	29.933	29.930	29.938	29.950	29.971	29.997	29.998	29.979	29.950	29.915	29.894	29.882	29.895	29.912	29.935	29.953	29.963	29.975	29.988	29.987	29.986	29.947
„ 2,...	.990	.970	.969	.969	.986	30.002	30.003	30.011	30.025	30.020	30.007	.973	.945	.919	.900	.906	.919	.935	.956	.964	.972	.977	.976	.974	.969
„ 3,...	.965	.959	.940	.944	.938	29.946	29.972	29.984	.001	29.995	29.973	.929	.890	.860	.858	.882	.894	.909	.922	.930	.938	.946	.957	.967	.937
„ 4,...	.977	.977	.972	.967	.978	.989	.991	30.001	.013	30.020	30.016	.990	.967	.950	.944	.943	.949	.959	.970	.974	978	.976	.973	.966	.977
„ 5,...	.971	.964	.965	.965	.968	.982	.995	.018	.044	.042	.034	30.009	.986	.969	.962	.965	.978	.989	30.001	30.016	30.014	30.016	30.020	30.020	.996
„ 6,...	30.016	30.011	30.008	30.015	30.026	30.050	30.076	.110	.129	.135	.123	.102	30.081	30.065	30.060	30.077	30.095	30.122	.155	.181	.193	.197	.202	.202	30.101
„ 7,...	.202	.201	.201	.200	.201	.205	.218	.238	.266	.284	.277	.232	.203	.179	.170	.176	.189	.205	.228	.247	.262	.253	.252	.260	.223
„ 8,...	.258	.266	.271	.275	.281	.299	.311	.322	.349	.352	.338	.307	.281	.251	.240	.237	.253	.267	.277	.296	.304	.303	.316	.311	.290
„ 9,...	.310	.316	.304	.296	.305	.309	.322	.323	.335	.339	.312	.276	.243	.220	.208	.212	.227	.235	.246	.256	.248	.248	.243	.243	.274
„ 10,...	.241	.234	.224	.218	.213	.217	.225	.229	.244	.255	.231	.202	.169	.155	.150	.152	.158	.162	.166	.174	.178	.174	.165	.150	.195
„ 11,...	.137	.138	.123	.123	.114	.115	.122	.135	.154	.160	.137	.108	.070	.049	.033	.037	.038	.050	.060	.071	.076	.081	.077	.081	.095
„ 12,...	.075	.067	.061	.058	.064	.078	.094	.114	.133	.131	.105	.069	.025	.000	29.989	29.993	.009	.012	.025	.038	.038	.034	.033	.025	.053
„ 13,...	.017	.005	29.987	29.988	29.990	.007	.019	.038	.049	.049	.022	29.990	29.954	29.942	.932	.934	29.943	29.957	29 973	29.979	29.985	29.982	29.971	29.962	29.986
„ 14,...	29.960	29.951	.941	.925	.919	29.933	29.942	29.950	29.955	29.962	29.941	.907	.878	.866	.868	.869	.871	.884	.890	.900	.906	.913	.908	.891	.914
„ 15,...	.888	.883	.877	.876	.877	.888	.898	.913	.923	.925	.908	.890	.861	.848	.849	.863	.873	.878	.889	.906	.909	.909	.911	.904	.889
„ 16,...	.904	.909	.909	.915	.925	.934	.956	.989	30.009	30.021	30.007	.987	.948	.925	.923	.929	.947	.965	.984	30.007	30.015	30.027	30.031	30.031	.967
„ 17,...	30.037	30.031	30.021	30.023	30.033	30.045	30.059	30.075	.106	.117	.095	30.056	30.047	30.022	30.015	30.016	30.026	30.046	30.060	.090	.102	.115	.121	.124	30.062
„ 18,...	.132	.137	.129	.124	.147	.156	.162	.180	.230	.237	.222	.204	.170	.138	.114	.121	.125	.136	.162	.175	.185	.187	.213	.204	.166
„ 19,...	.191	.207	.181	.173	.178	.186	.195	.237	.261	.262	.231	.209	.181	.148	.119	.120	.123	.144	.153	.161	.166	.166	.176	.164	.180
„ 20,...	.152	.146	.120	.114	.111	.113	.114	.132	.153	.150	.119	.081	.056	.029	.011	.016	.023	.033	.044	.064	.075	.090	.089	.083	.088
„ 21,...	.074	.064	.054	.041	.038	.051	.068	.087	.097	.097	.086	.067	.031	.018	29.992	29.987	29.987	.001	.002	.018	.019	.034	.030	.038	.041
„ 22,...	.044	.047	.032	.022	.020	.038	.038	.049	.047	.055	.040	.016	29.982	29.954	.943	.944	.950	29.948	29.956	29.972	29.980	29.988	29.986	29.986	.002
„ 23,...	29.994	.001	29.993	29.988	29.984	29.990	29.998	.012	.029	.021	.019	29.998	.970	.956	.950	.944	.966	.986	30.012	30.036	30.050	30.064	30.074	30.076	.005
„ 24,...	30.087	.090	30.084	30.088	30.106	30.114	30.124	.153	.166	.166	.152	30.135	30.104	30.084	30.078	30.076	30.082	30.093	.088	.097	.113	.127	.146	.142	.112
„ 25,...	.154	.150	.136	.141	.138	.150	.158	.167	.192	.200	.194	.161	.120	.093	.081	.077	.099	.120	.129	.143	.143	.158	.150	.148	.142
„ 26,...	.149	.146	.140	.136	.142	.170	.172	.188	.199	.194	.180	.173	.147	.121	.107	.119	.127	.139	.159	.185	.190	.195	.203	.201	.162
„ 27,...	.202	.204	.203	.191	.184	.196	.206	.214	.223	.228	.210	.179	.158	.144	.140	.148	.172	.190	.208	.234	.242	.253	.258	.248	.201
„ 28,...	.234	.232	.235	.238	.241	.253	.256	.270	.290	.296	.282	.258	.226	.213	.204	.202	.210	.230	.245	.266	.264	.258	.256	.256	.246
„ 29,...	.259	.250	.238	.226	.228	.240	.250	.262	.266	.270	.262	.240	.205	.168	.144	.141	.137	.140	.140	.150	.155	.153	.149	.135	.200
„ 30,...	.120	.099	.072	.059	.047	.047	.053	.068	.074	.079	.061	.031	29.995	29.970	29.953	29.954	29.961	29.971	29.985	.001	.013	.020	.024	.023	.028
„ 31,...	.016	.001	29 982	29.970	29.971	29.982	.001	.026	.037	.039	.030	29.997	.964	.947	.935	.945	.963	.973	.982	29.999	.016	.026	.026	.025	29.994
Means,.....	30.087	30.083	30.074	30.071	30.073	30.085	30.095	30.112	30.129	30.132	30.116	30.088	30.057	30.035	30.024	30.028	30.039	30.052	30.065	30.080	30.087	30.092	30.094	30.091	30.079

TABLE II.

TEMPERATURE FOR THE MONTH OF JANUARY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Jan. 1,	64.0	63.8	65.0	65.2	65.6	65.4	65.8	67.7	68.4	67.8	67.4	68.4	67.9	68.0	68.2	69.6	66.6	66.5	64.2	63.8	62.9	62.9	63.1	63.3	65.9	70.5	62.3
„ 2,	63.4	63.8	63.1	63.0	62.2	61.7	62.1	63.0	65.5	68.5	70.6	67.3	68.6	68.2	67.8	66.4	64.8	63.0	62.5	62.6	63.3	63.6	62.9	62.2	64.6	71.4	61.6
„ 3,	61 6	60.7	60.5	60.4	60.5	61.2	61.6	62.8	64.2	64.5	64.1	66.2	66.2	68.8	67.9	67.1	66.8	64.5	63.1	63.4	63.0	62.3	62.8	62.7	63.6	68.8	60.3
„ 4,	62.2	62.1	62.9	61.3	61.7	61.6	61.6	63.2	64.5	65.2	65.7	65.5	65.8	65.5	64.3	61.8	61.5	61.6	61.0	60.1	60.4	60.2	59.8	59.9	62.5	66.8	59.6
„ 5,	60.0	60.0	59.8	59.9	60.4	60.7	60.6	61.5	61.5	62.0	61.0	61.6	61.8	61.8	62.0	62.6	61.6	62.8	62.5	62.2	62.5	62.8	62.5	62.3	61.5	62.8	59.2
„ 6,	62.3	62.5	62.7	59.8	58.5	56.4	55.0	54.5	54.4	56.8	57.7	58.4	59.8	61.0	61.5	59.3	58.5	57.0	54.6	52.0	51.6	51.5	49.3	49.2	56.8	62.7	49.2
„ 7,	49.7	49.9	49.3	48.0	49.0	49.2	49.5	50.5	52.1	52.5	54.8	58.0	58.8	58.8	57.9	56.8	55.8	55.3	55.0	55.0	54.8	54.7	54.7	54.7	53.5	60.3	48.0
„ 8,	54.5	54.4	53.5	53.8	53.8	53.7	52.8	54.0	56.3	58.1	60.1	60.6	61.7	62.8	63.0	63.2	60.8	59.0	59.1	59.6	58.8	56.8	54.7	54.9	57.5	64.4	52.6
„ 9,	54.3	53.1	54.5	53.5	53.0	52.3	52 5	54.0	56.7	58.8	60.4	60.2	60.2	61.0	60.8	60.2	58.5	57.7	57.1	57.1	57.1	57.5	56.8	57.0	56.8	62.3	51.1
„ 10,	57.6	57.6	57.7	57.1	56.6	54.3	55.3	56.5	57.6	60.1	62.2	60.8	61.0	61.0	61.2	61.8	61.5	61.5	61.7	61.5	61.0	61.5	59.9	59.0	59.4	62.7	52.6
„ 11,	59.0	59.5	58.8	58.8	58.6	58.5	58.7	59.0	59.9	61.0	63.6	66.0	68.0	66.8	66.2	63.1	61.8	62.0	61.0	60.3	59.8	59.4	58.7	58.7	61.1	68.8	57.9
„ 12,	57.6	57.8	57.4	57.6	57.9	58.4	58.9	60.8	64.5	65.1	66.8	69.1	69.8	68.9	69.1	68.3	65.0	63.7	63.8	63.2	63.1	62.5	62.9	61.8	63.1	69.8	57.0
„ 13,	61.6	61 3	60.8	60.1	59.6	59.5	59.5	62.9	66.8	68.5	71.0	69.9	73.6	71.0	68.8	68.0	66.5	65.8	65.8	65.8	66.0	66.6	65.9	65.8	65.5	74 3	58.6
„ 14,	65.5	64.6	64.1	64.2	63.4	63.2	62.9	65.1	67.3	69.1	70.5	72.8	70.0	66.1	64.3	64.8	64.8	63.8	65.0	64.8	65.0	64.9	64.8	65.2	65.7	74.3	62.3
„ 15,	65.3	65.4	65.9	65.5	65.4	65.4	65.8	66.6	66.6	67.9	67.8	67.9	67.1	67.1	67.0	67.1	66.1	66.3	66.2	66.1	65.4	65.2	65.0	64.1	66.2	68.9	64.1
„ 16,	63.5	62.8	62.5	62.4	62.2	62.1	62.4	62.2	61.9	62.0	63.1	64.0	64.8	63.8	63.7	63.3	63.2	63.4	63.3	63.5	63.3	62.6	62.1	61.5	62.9	65.6	61.4
„ 17,	61.1	60.9	60.7	60.6	60.2	61.0	61.1	61.9	62.9	66.1	68.1	68.2	67.8	68.1	69.7	66.8	63.3	62.4	62.4	62.0	62.0	61.3	61.1	61.1	63.4	70.2	59.9
„ 18,	60.9	60.2	57.9	59.0	58.5	57.6	57.7	58.5	60.5	60.0	62.0	63.6	65.2	64.4	63.2	62.6	60.0	59.8	59.0	58.1	55.2	54.9	53.3	53.0	59.4	66.5	53.0
„ 19,	52.5	52.6	52.2	51.8	52.4	51.7	51.8	52.7	53.4	53.2	53.8	54.8	55.0	57.5	58.4	57.2	55.3	54.7	54.8	54.8	54.9	55.0	54.3	54.7	54.1	58.6	51.2
„ 20,	54.0	54.4	54.8	54.2	53.3	52.9	53.1	54.8	57.7	60.2	62.5	62.6	65.8	66.6	66.2	65.4	61.3	59.5	59.2	57.5	56.2	56.5	55.9	55.6	58.3	68.2	52.9
„ 21,	57.9	58.3	57.3	57.0	56.4	56.4	57.0	58.8	59.8	60.6	62.0	61.8	62.3	61.6	61.6	61.2	60 7	60.0	60.0	59.9	59.2	59.2	59.3	59.0	59.5	62 3	56.3
„ 22,	59.1	58.9	58.8	58.5	58.4	58.6	58.8	60.5	61.5	63.2	63.1	65.6	65.7	67.5	65.6	64.7	62.0	62.0	61.3	61.5	61.3	61.7	61.4	61.1	61.7	68.3	58.2
„ 23,	61.0	61.0	61.1	60.1	60.6	60.1	60.6	61.8	63.7	66.0	66.2	67.0	70.0	68.6	67.9	68.1	65.2	63.4	62.2	59.0	57.6	56.7	54.9	53.2	62.3	70.6	53.2
„ 24,	50.6	51.1	50.7	49.2	48.4	47.7	47.8	49.2	50.7	53.2	56.5	57.5	59.8	60.1	61.0	61.8	58.1	56.8	56.0	54.2	52.7	52.1	51.1	50.3	53.6	63.2	47.7
„ 25,	49.7	48.9	47.9	48.1	46.7	47.0	47.5	49.0	50.8	52 6	54.5	57.0	58.9	59.2	58.8	59.4	56.7	56.5	55.1	53.7	54.3	52.3	52.3	51.0	52.8	62.2	46.1
„ 26,	50.3	50.6	50.1	50.5	50.7	50.2	54.0	55.1	56.2	58.2	59.1	59.4	59.8	61.6	62.5	60.2	60.5	60.3	60.5	59.0	57.8	57.3	55.9	55.3	56.5	64.0	49.6
„ 27,	55 5	55.9	56.8	56.1	57.6	59.0	60.6	61.8	65.2	65.0	68.5	69.6	71.6	71.5	72.2	71.4	68.4	66.8	66.0	65 4	64.5	63.4	62.0	60.8	64.0	73.2	55.3
„ 28,	60.0	58.7	57.7	56.4	56.6	55.8	55.1	56.1	58.0	59.2	61.4	62.1	64.0	65.6	65.6	64.5	62.5	60.2	58.8	57.8	57.6	56.6	56.0	55.5	59.2	67.9	54.7
„ 29,	54.4	53.2	52.0	50.8	48.8	48.4	49.4	51.0	54.7	56.7	56.5	57.0	57.6	57.8	58.2	58.6	55.7	55.0	54.5	53.8	53.1	53.8	53.9	53.6	54.1	58.6	46.7
„ 30,	54.4	54.7	54.6	53.1	52.4	51.9	52.1	54.6	56.8	60.1	62.2	62.0	64.8	64.3	62.5	62.4	60.0	58.2	57.1	57.0	56.3	56.5	55.3	55.4	57.4	67.1	50.7
„ 31,	55.6	55.5	56.0	56.7	57.1	57.0	57.1	59.6	60.8	62.2	64.2	67.2	67.4	67.4	67.6	66.2	65.9	62.2	61.5	61.6	61.4	61.1	61.2	60.9	61.4	68.5	54.9
Means,	58.0	57.9	57.6	57.2	57.0	56.7	57.1	58.4	60.0	61.4	62.8	63.6	64.5	64.6	64.3	63.7	61.9	61.0	60.5	59.9	59.4	59.1	58.5	58.2	60.1	66.6	55.1

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF JANUARY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
Jan. 1, ...	62.0	61.5	61.5	61.7	61.7	61.6	61.7	62.9	63.1	64.9	64.5	64.9	64.9	65.1	65.2	65.5	64.6	64.6	62.9	62.8	62.4	62.2	62.5	62.6	63.2	111.3
„ 2, ...	62.9	63.2	62.6	61.9	60.7	60.2	59.8	60.3	60.9	62.2	63.0	62.7	62.3	61.9	62.7	62.1	61.8	61.1	60.4	60.0	60.3	60.3	59.8	59.7	61.4	124.4
„ 3, ...	59.7	59.7	59.9	59.8	59.9	60.5	60.9	61.1	61.0	62.0	61.9	62.8	62.3	63.1	62.7	63.5	62.9	61.6	60.9	60.7	60.8	60.6	61.3	61.4	61.3	125.1
„ 4, ...	58.8	58.2	58.1	58.0	57.2	57.0	56.9	57.1	58.0	59.4	59.8	59.6	59.9	58.1	58.9	59.2	58.2	58.3	57.9	58.7	58.6	58.6	58.8	59.2	58.4	114.3
„ 5, ...	58.8	58.8	58.9	59.0	59.4	59.6	59.6	59.6	59.6	59.9	59.8	60.0	60.3	60.5	60.7	61.1	60.9	61.4	61.3	61.5	61.8	62.6	62.4	62.3	60.4	82.3
„ 6, ...	62.3	62.4	62.2	58.8	57.3	55.4	54.0	53.5	52.6	54.0	54.4	53.6	52.7	53.3	53.7	52.2	50.7	49.9	50.5	50.6	49.9	48.6	47.7	47.3	53.7	93.8
„ 7, ...	47.4	47.3	46.4	45.7	45.7	45.8	45.6	46.5	47.4	47.1	48.6	50.5	50.3	50.3	49.7	49.5	47.9	47.2	46.9	46.7	46.6	46.9	47.7	47.1	47.5	107.6
„ 8, ...	46.9	46.8	46.9	47.3	47.2	46.6	46.1	46.9	47.6	48.6	50.3	50.6	50.9	50.8	50.7	51.3	49.9	49.0	48.6	48.1	48.6	49.6	48.3	47.3	48.5	123.2
„ 9, ...	47.5	46.4	45.9	45.7	44.9	44.1	43.8	44.8	45.9	47.5	48.5	49.3	50.3	49.7	51.1	51.2	50.9	51.0	50.9	51.2	51.3	51.6	51.6	52.1	48.6	113.0
„ 10, ...	52.4	51.5	51.1	50.6	49.3	49.8	49.6	49.8	50.9	51.3	52.7	52.1	53.1	52.9	52.8	52.3	52.3	51.6	51.5	51.9	51.1	52.6	53.8	55.2	51.8	102.7
„ 11, ...	55.1	55.4	55.6	55.5	55.5	54.8	55.5	55.6	54.6	54.7	55.4	56.4	58.3	58.9	59.9	57.3	57.0	57.0	56.2	56.1	56.1	56.2	55.4	55.7	56.2	122.9
„ 12, ...	55.4	55.4	55.0	55.2	56.0	56.1	56.0	56.7	56.9	57.5	58.6	59.2	59.1	58.8	58.7	59.0	57.3	57.2	58.0	58.6	58.6	58.1	58.6	58.4	57.4	130.9
„ 13, ...	58.8	58.5	58.1	57.7	57.4	58.0	58.1	59.8	60.0	60.2	61.9	61.7	62.8	63.3	62.9	60.9	60.5	61.2	61.9	61.8	61.8	62.6	62.6	62.7	60.6	131.5
„ 14, ...	61.8	60.9	61.1	61.3	60.8	60.8	60.9	61.6	62.6	63.2	63.6	64.7	63.1	63.3	62.7	63.0	63.3	63.5	63.7	63.6	63.6	63.8	63.8	64.0	62.7	137.8
„ 15, ...	64.0	64.1	64.8	64.8	65.1	65.2	65.2	65.6	65.7	67.6	67.7	66.1	65.6	66.0	65.9	65.9	65.9	65.9	65.7	65.9	64.8	64.8	64.5	63.6	65.4	90.2
„ 16, ...	63.0	62.4	62.1	61.9	61.7	61.8	61.9	61.8	61.6	61.9	62.6	62.7	62.8	62.2	62.1	61.6	61.3	61.2	60.7	60.8	60.0	60.1	60.1	60.0	61.6	89.4
„ 17, ...	60.1	58.9	58.0	57.8	56.9	56.7	56.0	55.8	56.0	58.3	59.3	58.7	58.8	60.5	60.3	58.9	57.8	58.0	57.8	57.5	57.6	58.8	59.3	59.3	58.2	121.4
„ 18, ...	58.9	56.3	55.0	54.5	53.8	53.6	52.1	50.2	53.6	53.1	55.2	55.7	56.1	55.6	54.7	55.1	53.4	52.0	53.1	52.2	51.0	49.7	49.5	49.5	53.5	121.3
„ 19, ...	48.3	48.9	49.0	48.5	49.3	48.3	48.7	49.8	50.6	49.3	49.1	50.1	49.6	52.3	52.1	51.5	49.4	49.2	49.0	47.8	49.4	49.5	49.6	50.0	49.6	85.6
„ 20, ...	49.6	49.7	49.4	49.9	49.3	49.3	49.2	49.5	51.7	52.1	53.1	52.1	54.7	55.6	55.4	56.1	54.0	53.1	52.8	52.9	52.7	53.2	53.5	54.3	52.2	119.5
„ 21, ...	54.7	54.8	54.2	54.0	53.3	53.2	52.0	54.0	53.7	54.6	52.1	55.1	55.0	55.1	52.7	54.7	54.1	54.1	54.4	54.5	55.8	55.7	55.8	55.6	54.3	108.6
„ 22, ...	55.1	55.4	55.3	55.3	55.4	55.3	55.9	56.7	57.2	58.4	58.6	59.9	60.8	61.1	59.5	59.4	58.6	58.3	57.2	57.2	57.7	59.0	58.8	58.0	57.7	121.0
„ 23, ...	57.3	57.6	58.0	56.4	57.0	57.4	57.8	58.9	60.2	60.8	61.2	61.7	63.1	62.2	61.4	61.2	60.2	60.0	54.3	53.1	51.4	50.6	50.0	48.7	57.5	122.4
„ 24, ...	48.0	46.2	45.6	46.3	44.6	43.6	42.0	42.5	42.7	44.2	45.9	45.6	48.0	46.5	47.0	46.3	43.1	41.7	42.1	42.0	41.8	41.6	41.6	41.1	44.2	118.2
„ 25, ...	40.8	40.6	40.0	39.8	39.0	38.7	38.0	38.6	38.8	39.9	40.6	42.5	44.0	43.6	42.9	43.3	43.0	42.8	43.0	44.0	41.0	41.5	42.5	42.9	41.3	117.9
„ 26, ...	43.7	44.1	44.6	45.0	44.5	43.7	45.7	47.5	47.9	48.0	48.5	48.9	49.2	50.1	51.9	50.3	48.7	48.9	49.7	50.7	51.2	50.3	50.0	50.8	48.1	118.5
„ 27, ...	51.5	52.1	52.5	51.8	49.9	49.2	49.6	49.8	50.2	52.0	52.3	52.6	53.8	54.7	56.7	54.4	51.6	50.0	50.0	49.8	49.1	48.5	48.0	47.7	51.2	126.8
„ 28, ...	47.4	47.0	46.8	47.4	46.0	44.3	43.1	43.2	44.0	44.3	46.0	46.4	47.9	48.7	48.6	47.3	45.8	44.1	44.1	44.0	43.3	42.6	42.6	42.1	45.3	121.3
„ 29, ...	41.4	41.0	40.3	40.0	39.5	39.1	39.6	41.6	42.6	46.1	47.1	48.3	48.3	48.3	48.9	48.6	47.8	47.2	47.0	47.0	47.1	47.8	48.4	48.8	45.1	119.2
„ 30, ...	48.6	49.1	48.9	47.1	46.4	46.5	46.8	47.9	50.0	49.9	50.3	50.9	53.7	51.7	51.1	51.9	52.8	51.5	51.2	51.4	51.3	50.0	50.5	50.5	50.0	106.0
„ 31, ...	50.5	50.5	50.5	51.3	52.4	52.2	52.8	52.7	53.7	54.6	54.3	56.3	56.0	56.3	55.8	55.3	56.3	56.3	56.5	56.5	56.7	57.0	58.1	58.0	54.6	119.3
Means, ...	54.0	53.7	53.5	53.2	52.8	52.5	52.4	53.0	53.6	54.4	55.1	55.5	56.1	56.1	56.1	55.8	54.9	54.5	54.2	54.2	54.0	54.0	54.1	54.1	54.2	114.4

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JANUARY, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	75	0.375	Jan. 1,.....	86	0.545
2 „	74	.368	„ 2,.....	83	.503
3 „	74	.366	„ 3,.....	87	.513
4 „	74	.363	„ 4,.....	77	.436
5 „	73	.354	„ 5,.....	94	.512
6 „	73	.350	„ 6,.....	80	.373
7 „	70	.342	„ 7,.....	61	.251
8 „	67	.341	„ 8,.....	46	.223
9 „	62	.337	„ 9,.....	50	.235
10 „	59	.341	„ 10,.....	57	.286
11 „	57	.343	„ 11,.....	70	.388
Noon.	56	.344	„ 12,.....	68	.398
1 p.	55	.349	„ 13,.....	74	.465
2 „	54	.347	„ 14,.....	84	.531
3 „	56	.352	„ 15,.....	96	.617
4 „	57	.351	„ 16,.....	93	.532
5 „	60	.349	„ 17,.....	71	.418
6 „	62	.349	„ 18,.....	65	.333
7 „	63	.347	„ 19,.....	71	.297
8 „	66	.355	„ 20,.....	63	.311
9 „	67	.356	„ 21,.....	69	.355
10 „	69	.361	„ 22,.....	77	.425
11 „	73	.371	„ 23,.....	73	.411
Midt.	74	.375	„ 24,.....	40	.168
			„ 25,.....	27	.110
			„ 26,.....	49	.227
			„ 27,.....	34	.208
			„ 28,.....	23	.121
			„ 29,.....	43	.183
			„ 30,.....	56	.264
			„ 31,.....	62	.338
Means,.....	65	0.354	Means.	65	0.354

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
Jan. 1,.....	...	0.4	1.0	0.1	...	...	...	...	...	...	0.3	...	...	1.8
„ 2,.....	...	0.3	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.6	...	9.5
„ 3,.....	...	...	...	...	0.1	0.1	0.2	0.3	0.9	0.7	0.2	0.1	...	2.6
„ 4,.....	...	0.2	1.0	0.3	...	...	...	...	0.1	0.2	...	...	...	1.8
„ 5,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,.....	...	...	...	...	...	...	0.1	0.1	...	...	...	...	...	0.2
„ 8,.....	...	...	0.1	0.7	0.8	0.9	0.1	0.8	1.0	1.0	1.0	0.6	...	7.0
„ 9,.....	...	0 5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.0
„ 10,.....	...	0.1	0.2	...	0.2	...	...	...	...	...	...	...	...	0.5
„ 11,.....	...	...	...	...	0.1	0.8	0.7	0.8	0.3	...	...	...	...	2.7
„ 12,.....	...	...	0.2	1.0	0.5	0.2	0.9	1.0	1.0	1.0	1.0	0.6	...	7.4
„ 13,.....	...	...	0.9	1.0	1.0	0.8	0.4	0.8	0.9	0.8	...	...	...	6.6
„ 14,.....	...	...	...	0.9	1.0	0.9	0.7	...	...	...	...	...	...	3.5
„ 15,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,.....	...	...	0.7	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.1
„ 18,.....	...	0.1	...	0.1	...	...	...	...	...	...	...	...	...	0.2
„ 19,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,.....	...	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	8.8
„ 21,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	9.7
„ 22,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.1
„ 23,.....	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.9	0.4	0.1	...	8.7
„ 24,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.3
„ 25,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.4
„ 26,.....	...	...	...	0.7	1.0	1.0	0.1	0.1	1.0	...	...	...	...	3.9
„ 27,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.3
„ 28,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.1
„ 29,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.1
„ 30,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	10.1
„ 31,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.4
Sums,.....	...	7.3	16.3	18.8	18.6	18.7	17.2	17.9	19.0	17.5	15.8	8.7	...	175.8

TABLE VI.

RAINFALL FOR THE MONTH OF JANUARY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
Jan. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	0.005	...	0.005	...	0.005	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	0.020	4
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	...	0.005	0.010	3
„ 5,	...	0.015	...	0.005	...	...	...	...	...	...	...	0.010	0.005	0.010	0.035	0.025	0.020	0.025	0.020	0.035	0.035	0.010	0.050	0.040	0.340	17
„ 6,	...	0.005	0.015	0.015	...	0.025	0.025	0.060	0.015	0.010	...	...	...	...	...	...	...	...	0.010	0.025	0.060	0.030	0.020	...	0.315	15
„ 7,	...	...	...	0.010	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.015	4
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.005	0.005	0.005	...	...	...	...	...	...	0.025	7
„ 15,	...	...	...	0.020	0.015	0.015	0.005	0.090	0.015	0.005	0.010	0.010	0.015	0.010	0.005	0.015	0.015	0.010	0.005	0.005	0.010	0.005	...	...	0.280	20
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	0.005	0.025	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.005	0.010	0.005	0.005	0.005	0.065	8
„ 19,	...	0.005	0.010	0.020	0.015	...	...	0.005	0.005	0.005	0.005	0.005	...	...	...	...	...	...	...	...	...	...	...	...	0.075	10
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.005	...
„ 24,	...	...	...	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	1
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.000	0.035	0.050	0.085	0.030	0.050	0.035	0.155	0.035	0.020	0.015	0.025	0.020	0.020	0.050	0.045	0.040	0.040	0.040	0.070	0.120	0.050	0.075	0.055	1.160	94

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF JANUARY, 1898.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Jan. 1	9	23	9	20	9	14	9	14	9	16	9	13	9	11	9	7	9	8	8	6	5	7	25	7	24	6	23	3	...	1	...	1	23	6	23	4	23	3	23	2	...	1	23	4	23	6	23	4	187	7.8	9
" 2	11	9	11	3	11	3	11	5	11	3	8	7	9	10	9	6	9	2	...	1	9	4	10	17	9	17	10	14	10	16	10	17	10	16	8	20	7	18	7	16	6	12	6	10	7	18	7	20	264	11.0	9
" 3	8	22	9	20	8	15	9	13	9	12	9	8	9	2	...	1	9	6	9	12	9	14	9	14	9	15	9	15	9	15	9	6	28	3	28	3	7	10	7	10	9	12	9	11	9	7	9	4	250	10.4	9
" 4	2	7	2	8	2	10	3	6	3	7	2	11	2	3	...	0	2	3	...	1	1	3	10	13	10	14	10	16	10	22	9	20	7	20	8	20	7	23	7	30	7	32	8	35	8	31	7	29	364	15.2	7
" 5	7	29	7	25	7	23	7	20	8	16	8	18	8	23	8	22	7	23	7	23	8	20	8	20	7	13	8	8	8	5	8	4	8	3	8	4	..	1	8	3	11	6	11	2	...	0	...	0	311	13.0	8
" 6	11	3	11	2	1	8	31	9	30	6	30	9	31	14	32	8	1	11	32	11	31	16	31	14	32	13	31	7	31	11	31	14	31	8	32	12	32	6	32	3	32	2	...	1	32	5	32	2	195	8.1	32
" 7	...	1	...	1	32	9	32	9	32	11	32	10	32	9	32	8	32	9	32	7	32	7	32	4	27	5	1	10	1	12	1	10	1	9	1	9	1	10	1	8	1	6	1	10	1	10	1	13	197	8.2	32
" 8	1	16	1	16	1	12	1	14	1	11	1	15	32	13	1	13	32	10	32	17	32	16	32	12	32	11	32	12	32	10	32	9	32	9	32	6	32	10	32	13	5	13	5	9	2	12	1	10	289	12.0	1
" 9	1	3	32	5	32	12	32	10	32	15	1	14	1	14	1	9	1	5	3	8	6	12	9	16	9	15	10	14	10	14	9	14	9	14	9	14	9	9	8	7	7	10	7	11	7	10	7	10	265	11.0	6
" 10	6	16	7	19	6	15	5	15	4	6	1	7	1	4	1	3	1	2	32	2	32	3	29	4	27	6	27	4	27	4	27	2	30	4	32	3	32	2	32	4	1	5	2	9	8	14	9	16	169	7.0	4
" 11	8	16	7	10	7	15	7	12	7	13	7	13	8	15	8	11	7	6	7	4	7	5	9	3	9	4	9	5	9	6	22	8	23	9	23	8	23	7	23	4	23	3	23	6	23	6	11	8	197	8.2	8
" 12	10	3	...	1	...	0	...	0	10	2	...	1	10	3	...	1	10	8	9	18	9	19	9	15	9	19	9	17	9	18	9	17	9	16	9	15	9	16	9	11	9	15	9	14	6	13	7	16	258	10.7	9
" 13	9	16	9	12	10	7	9	3	...	1	9	2	9	2	...	0	9	4	9	3	9	2	9	5	9	4	31	10	30	8	7	8	10	11	9	13	9	12	9	10	9	7	9	10	9	10	9	12	172	7.2	8
" 14	9	19	9	18	9	15	9	7	9	14	9	16	9	15	7	15	8	16	8	16	8	13	8	15	9	24	9	20	10	12	10	11	11	12	10	8	11	3	10	5	11	6	10	11	9	12	10	15	318	13.3	9
" 15	9	13	9	11	10	13	9	4	...	1	...	1	...	1	...	1	9	2	...	0	...	1	9	4	9	6	9	5	10	4	...	1	...	0	...	0	9	3	9	8	9	16	9	16	8	14	8	23	148	6.2	9
" 16	8	24	8	24	8	21	7	12	9	13	9	15	9	15	9	13	9	16	9	13	9	10	9	10	9	10	9	14	9	15	9	15	8	13	9	13	9	18	8	16	6	17	7	17	8	16	8	13	363	15.1	8
" 17	8	10	9	7	9	5	9	4	4	4	4	10	3	16	5	8	2	12	23	4	28	4	8	15	8	8	10	11	11	14	11	16	9	15	10	17	8	14	8	12	6	12	6	12	9	12	9	14	256	10.7	8
" 18	9	10	3	8	1	10	4	4	2	6	2	9	2	23	1	22	1	18	1	18	1	7	32	5	32	10	32	14	32	16	1	9	1	12	1	13	1	10	32	10	32	6	1	14	32	8	32	11	273	11.4	1
" 19	32	17	1	5	1	3	1	5	1	2	3	7	3	3	3	4	1	8	1	10	1	9	32	6	32	7	32	5	32	7	1	10	2	8	2	5	2	7	2	7	2	5	7	4	...	1	7	4	149	6.2	1
" 20	7	2	7	2	5	5	4	4	4	4	...	0	4	4	4	3	4	3	28	4	28	5	31	6	24	8	22	7	22	6	22	8	22	5	23	6	11	8	11	7	11	5	11	5	...	0	11	5	112	4.7	32
" 21	6	10	6	14	7	16	7	20	7	18	6	16	5	17	5	17	6	22	8	21	8	25	8	21	9	26	9	23	8	24	9	24	7	21	6	19	7	17	7	16	7	16	7	16	8	18	8	15	452	18.8	7
" 22	8	16	9	14	9	14	9	13	10	15	10	17	10	18	10	19	9	21	9	18	10	18	9	10	9	12	9	14	9	17	8	7	9	6	9	8	9	14	8	11	9	10	9	9	9	14	9	16	331	13.8	9
" 23	9	12	11	10	11	10	11	6	11	11	10	9	10	8	10	12	10	11	9	14	9	11	9	7	9	8	23	9	23	11	22	10	21	7	5	9	32	12	31	11	1	11	32	10	32	13	31	9	241	10.0	7
" 24	31	10	31	11	32	13	32	28	31	20	32	22	32	17	32	21	32	19	1	21	32	18	32	9	31	15	31	17	32	17	1	22	1	25	31	23	32	30	32	28	2	23	32	23	1	26	32	27	485	20.2	32
" 25	1	22	1	16	1	20	1	22	1	21	1	23	32	28	32	28	32	22	1	22	1	14	2	10	1	13	5	5	6	7	3	8	3	6	2	3	...	1	...	1	2	5	3	10	3	4	...	0	311	12.9	1
" 26	...	0	3	3	3	3	2	3	3	3	8	6	6	7	4	11	3	11	4	15	6	20	7	13	9	9	7	7	6	9	8	10	8	10	8	5	...	1	9	3	8	11	8	10	8	2	8	4	176	7.3	6
" 27	8	3	8	4	8	8	8	7	5	10	3	10	3	12	2	8	2	9	32	7	29	9	32	14	32	10	31	3	25	4	29	8	32	17	32	10	1	7	1	8	1	9	1	15	1	25	32	28	245	10.2	1
" 28	32	33	32	26	1	13	2	5	2	20	1	18	1	30	1	30	2	24	1	26	1	25	32	21	1	18	32	16	32	15	1	17	2	17	2	10	1	6	1	13	1	27	1	26	1	24	1	19	479	20.0	1
" 29	2	14	1	15	1	14	1	12	1	5	1	4	1	3	...	1	1	10	4	14	6	21	5	20	7	17	9	17	6	16	7	14	7	13	7	15	7	12	7	11	4	10	4	9	4	11	6	9	287	12.0	5
" 30	6	11	5	13	5	16	5	7	5	4	8	9	9	3	...	0	...	0	9	2	9	6	9	9	9	4	12	5	12	8	11	5	1	3	1	4	...	0	...	1	...	1	...	0	...	0	11	2	113	4.7	7
" 31	11	2	11	4	11	6	11	12	11	11	11	12	11	14	11	17	11	16	11	16	10	20	10	19	10	18	10	17	10	17	10	21	9	16	10	11	10	7	10	7	10	4	10	5	10	12	10	14	298	12.4	10
Sums	...	392	...	347	...	348	...	305	...	301	...	332	...	357	...	319	...	337	...	354	...	364	...	358	...	365	...	344	...	361	...	346	...	334	...	310	...	297	...	296	...	318	...	344	...	354	...	372	8155	339.8	...
Means	...	12.6	...	11.2	...	11.2	...	9.8	...	9.7	...	10.7	...	11.5	...	10.3	...	10.9	...	11.4	...	11.7	...	11.5	...	11.8	...	11.1	...	11.6	...	11.2	...	10.8	...	10.0	...	9.6	...	9.5	...	10.3	...	11.1	...	11.4	...	12.0	263.1	11.0	...

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
Jan. 1, ...	9	cum.	E	8	cum.	E	1	cum.	...	10	sm-cum.	...
„ 2, ...	10	str.	...	1	cum.	...	2	c-str.	...	3	c-cum. / cum.	ENE
„ 3, ...	10	str.	...	10	nim.	...	10	nim.	NNE	9	str-cum.	...
„ 4, ...	10	str-cum.	...	7	cum.	...	10	sm-cum.	...	10	str-cum.	E
„ 5, ...	10	nim.	...	10	nim.	...	10	nim.	ENE	10	nim.	ENE
„ 6, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	str-cum.	...
„ 7, ...	10	nim.	...	10	nim.	...	10	str-cum.	...	10	str.	...
„ 8, ...	10	str.	...	10	str.	...	10	str-cum.	...	9	sm-cum.	WSW
„ 9, ...	1	c-cum.	W	3	c-cum.	W	1	sm-cum.	...	0	...	...
„ 10, ...	0	...	...	0	...	...	4	sm-cum.	SE	9	sm-cum.	SSE
„ 11, ...	9	str-cum.	SSW	10	str-cum.	...	10	cum.	...	9	sm-cum. / cum.	SSW / ..
„ 12, ...	0	...	...	8	sm-cum.	S	10	sm-cum.	...	8	sm-cum.	S
„ 13, ...	0	...	...	1	sm-cum.	SSE	2	sm-cum.	...	1	sm-cum.	...
„ 14, ...	10	str-cum.	...	10	nim.	...	10	sm-cum. / cum.	SSE	2	c-cum. / cum.	S / SE
„ 15, ...	9	str-cum.	E	10	nim.	...	10	nim.	...	10	nim.	...
„ 16, ...	10	str-cum.	...	10	nim.	...	10	nim.	...	10	nim.	...
„ 17, ...	10	str-cum.	E	10	str-cum.	E	10	str-cum.	...	5	sm-cum. / cum.	WSW / ENE
„ 18, ...	10	str-cum.	...	9	cum.	N	9	sm-cum.	SW	10	str-cum.	...
„ 19, ...	10	nim.	...	10	nim.	...	10	str-cum.	ENE	10	nim.	E
„ 20, ...	10	str-cum.	...	8	sm-cum.	W	9	sm-cum.	WSW	1	sm-cum.	...
„ 21, ...	8	cum.	E	8	cum.	E	2	cum.	E	1	cum.	E
„ 22, ...	0	...	...	0	...	...	0	...	...	1	cum.	...
„ 23, ...	0	...	...	0	...	...	0	...	...	3	c-cum. / cum.	...
„ 24, ...	10	nim.	...	10	nim.	...	0	...	...	0	...	...
„ 25, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 26, ...	0	...	...	0	...	...	8	sm-cum. / cum.	ESE	0	...	...
„ 27, ...	0	...	...	0	...	...	0	...	...	0	...	—
„ 28, ...	0	...	...	0	...	...	0	..	...	0	...	...
„ 29, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 30, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 31, ...	0	...	...	0	...	...	0	...	...	2	c-cum.	W
Means,...	5.7	...	...	5.6	...	...	5.4	...	...	4.9	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
Jan. 1,...	10	str-cum.	...	4	cum.	N	10	sm-cum.	S	5	sm-cum.	...	7.1
„ 2,...	7	c-cum. / cum.	W / E	7	c-cum. / cum.	W / ..	9	cum.	ENE	10	cum.	ENE	6.1
„ 3,...	7	sm-cum.	SW	9	sm-cum.	WSW	3	sm-cum.	...	9	sm-cum.	...	8.4
„ 4,...	10	str-cum.	SSE	10	sm-cum. / cum.	ENE	10	str-cum.	SSW	10	nim.	E	9.6
„ 5,...	10	nim.	ENE	10	nim.	ENE	10	nim.	ENE	10	nim.	...	10.0
„ 6,...	10	str-cum.	WSW	10	str-cum.	...	10	nim.	...	10	cum-nim.	...	10.0
„ 7,...	9	sm-cum. / cum.	WSW / ..	10	str.	...	8	c-cum. / sm-cum.	WSW	9	sm-cum. / str.	SW / ..	9.5
„ 8,...	7	sm-cum.	W	1	c-cum.	...	0	...	...	1	cum.	...	6.0
„ 9,...	0	...	...	0	...	...	0	...	...	0	...	...	0.6
„ 10,...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	9	str-cum.	S	6.5
„ 11,...	7	sm-cum.	SSW	9	sm-cum.	SSW	2	str.	...	1	str.	...	7.1
„ 12,...	1	sm-cum.	...	0	...	...	0	...	...	0	...	...	3.4
„ 13,...	4	sm-cum.	SSE	9	sm-cum.	SSE	10	str.	...	10	str.	...	4.6
„ 14,...	10	str-cum.	SSE	10	nim.	SSE	10	nim.	...	10	nim.	...	9.0
„ 15,...	10	nim.	...	10	nim.	...	10	nim.	...	10	cum-nim.	...	9.9
„ 16,...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10.0
„ 17,...	1	c-cum.	...	1	sm-cum.	W	0	...	...	0	...	...	4.6
„ 18,...	10	str-cum.	SSW	10	nim.	...	10	nim.	...	10	str-cum.	...	9.7
„ 19,...	10	str-cum.	ESE	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10.0
„ 20,...	0	...	...	0	...	...	0	...	...	0	...	...	3.5
„ 21,...	0	...	...	1	sm-cum.	...	0	...	...	0	...	...	2.5
„ 22,...	0	...	...	0	...	...	0	...	...	0	...	...	0.1
„ 23,...	1	cum.	...	8	sm-cum. / cum.	N	7	sm-cum.	...	10	str-cum.	...	3.6
„ 24,...	0	...	...	0	...	...	0	...	...	0	...	...	2.5
„ 25,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 26,...	10	cum.	E	10	str-cum.	...	10	cum.	E	0	...	...	4.7
„ 27,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 28,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 29,...	1	cum.	...	0	...	...	0	...	...	0	...	...	0.1
„ 30,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 31,...	0	...	...	0	...	...	0	...	...	1	sm-cum.	WSW	0.4
Means,...	5.0	...	...	5.1	...	...	4.8	...	...	4.7	...	...	5.1

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF JANUARY, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	4.5	9.0	0.9	0.1	+ 3.6	+ 8.9	E 22° N
2 „	4.3	7.9	1.0	0.1	3.3	7.8	E 23° N
3 „	4.9	7.5	0.9	0.0	4.0	7.5	E 28° N
4 „	4.9	6.1	0.8	0.1	4.1	6.0	E 34° N
5 „	4.8	5.9	1.0	0.2	3.8	5.7	E 33° N
6 „	5.5	6.3	0.9	0.1	4.6	6.2	E 36° N
7 „	6.3	6.4	1.0	0.1	5.3	6.3	E 40° N
8 „	5.7	5.5	0.8	0.0	4.9	5.5	E 42° N
9 „	5.9	6.2	0.9	0.0	5.0	6.2	E 39° N
10 „	5.7	6.7	0.9	0.2	4.8	6.5	E 37° N
11 „	5.1	7.4	0.9	0.5	4.2	6.9	E 31° N
Noon.	3.8	7.9	1.3	0.4	2.5	7.5	E 19° N
1 p.	3.5	8.0	1.5	0.8	2.0	7.2	E 16° N
2 „	3.2	7.2	2.0	0.9	1.2	6.3	E 11° N
3 „	3.5	7.4	2.1	0.9	1.5	6.5	E 13° N
4 „	3.6	7.0	1.9	1.0	1.7	6.0	E 15° N
5 „	4.1	6.6	1.3	1.0	2.8	5.6	E 27° N
6 „	3.7	6.4	1.0	0.8	2.7	5.6	E 25° N
7 „	3.7	6.1	0.8	0.3	2.9	5.8	E 26° N
8 „	3.9	6.1	0.5	0.3	3.4	5.8	E 29° N
9 „	4.5	7.3	0.7	0.1	3.8	7.2	E 27° N
10 „	4.6	7.4	0.8	0.3	3.8	7.1	E 29° N
11 „	4.6	7.5	0.5	0.4	4.1	7.1	E 30° N
Midt.	4.5	8.1	1.0	0.2	+ 3.5	+ 7.9	E 23° N
Means, ...	4.5	7.0	1.1	0.4	+ 3.48	+ 6.63	E 28° N

PHENOMENA :—

Lunar halo :—on the 7th.

Fog :—on the 15th.

Slight fog :—on the 1st, 12th and 13th.

Haze :—on the 3rd, 11th, 22nd, 23rd, 27th, 30th and 31st.

Unusual Visibility :—on the 24th.

Dew :—on the 2nd, 11th, 23rd, 30th and 31st.

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF FEBRUARY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Feb. 1,...	30.017	29.997	29.999	29.993	29.997	30.014	30.024	30.044	30.052	30.064	30.055	30.036	30.000	29.982	29.960	29.968	29.970	29.982	29.988	29.990	29.990	30.002	30.002	29.995	30.005
„ 2,...	29.990	.976	.956	.952	.952	29.958	29.966	29.982	29.990	29.996	29.970	29.952	29.910	.877	.876	.881	.889	.899	.900	.907	.922	29.928	29.916	.910	29.936
„ 3,...	.902	.890	.870	.856	.856	.877	.904	.912	.938	.945	.937	.922	.900	.882	.864	.870	.876	.888	.900	.916	.924	.928	.924	.921	.900
„ 4,...	.926	.914	.911	.908	.916	.929	.950	.964	.980	.986	.974	.950	.928	.900	.892	.890	.906	.920	.928	.950	.952	.950	.954	.960	.935
„ 5,...	.959	.940	.933	.929	.936	.966	.984	.992	30.008	30.032	30.032	30.014	.999	.980	.974	.964	.970	.978	.984	.992	.996	.994	30.000	30.002	.982
„ 6,...	.986	.974	.958	.954	.951	.960	.976	.984	.008	.009	29.992	29.964	.936	.920	.914	.919	.937	.946	.960	.978	.976	.986	29.994	.003	.966
„ 7,...	.996	.989	.980	.968	.964	.980	.988	30.004	.020	.024	30.010	.993	.961	.951	.941	.951	.959	.972	.987	.994	30.005	30.016	30.021	.010	.987
„ 8,...	30.001	.935	.983	.979	.983	30.005	30.015	.035	.041	.030	.031	30.015	.976	.963	.949	.951	.955	.966	.994	30.014	.027	.038	.039	.035	30.000
„ 9,...	.017	30.006	30.007	30.001	.989	.021	.032	.041	.050	.073	.064	.050	30.031	30.015	30.010	30.012	30.017	30.037	30.063	.079	.085	.121	.137	.151	.046
„ 10,...	.148	.151	.095	.143	30.144	.151	.173	.181	.199	.203	.183	.151	.107	.087	.063	.062	.057	.059	.068	.081	.083	.083	.079	.073	.118
„ 11,...	.065	.055	.043	.039	.050	.055	.065	.083	.086	.083	.066	.043	.012	29.986	29.968	29.964	29.968	29.972	29.976	29.987	29.989	29.980	29.972	29.970	.020
„ 12,...	29.966	29.958	29.949	29.939	29.942	29.950	29.959	29.970	29.976	29.970	29.956	29.924	29.885	.868	.846	.842	.840	.848	.857	.863	.874	.886	.888	.884	29.910
„ 13,...	.883	.868	.860	.861	.872	.880	.888	.896	.900	.906	.893	.872	.839	.819	.797	.793	.787	.793	.801	.821	.841	.845	.847	.852	.851
„ 14,...	.849	.825	.813	.807	.809	.815	.833	.849	.865	.871	.860	.833	.801	.773	.751	.745	.747	.755	.759	.781	.790	.803	.801	.798	.806
„ 15,...	.793	.773	.771	.769	.767	.775	.789	.811	.825	.827	.814	.788	.754	.724	.708	.704	.700	.703	.706	.715	.729	.733	.736	.734	.756
„ 16,...	.725	.724	.718	.715	.702	.710	.728	.754	.764	.765	.758	.739	.719	.692	.678	.670	.672	.674	.685	.698	.697	.694	.700	.704	.712
„ 17,...	.690	.676	.669	.654	.648	.659	.671	.687	.696	.694	.678	.650	.613	.582	.566	.565	.574	.579	.573	.585	.592	.594	.591	.581	.627
„ 18,...	.573	.557	.535	.530	.529	.537	.548	.562	.572	.577	.552	.520	.488	.454	.440	.435	.441	.446	.448	.454	.460	.458	.453	.458	.501
„ 19,...	.454	.451	.442	.449	.456	.478	.485	.501	.522	.526	.517	.511	.477	.445	.431	.421	.425	.431	.434	.449	.469	.478	.485	.489	.468
„ 20,...	.492	.490	.482	.484	.492	.505	.531	.552	.574	.587	.577	.568	.551	.537	.511	.519	.527	.536	.553	.571	.593	.602	.615	.607	.544
„ 21,...	.608	.599	.595	.606	.593	.633	.648	.672	.675	.701	.701	.688	.667	.656	.648	.650	.670	.686	.711	.739	.758	.775	.784	.789	.677
„ 22,...	.792	.788	.787	.785	.789	.814	.832	.858	.878	.909	.926	.913	.885	.880	.866	.864	.871	.886	.902	.927	.947	.971	.973	.971	.876
„ 23,...	.959	.951	.944	.946	.962	.978	30.000	30.020	30.028	30.047	30.035	30.025	30.006	.984	.973	.964	.974	.979	.991	30.019	30.027	30.028	30.036	30.028	.996
„ 24,...	30.017	30.005	.997	.992	.999	30.003	.026	.051	.057	.072	.070	.055	.032	30.023	30.019	30.024	30.035	30.043	30.056	.084	.104	.119	.120	.128	30.047
„ 25,...	.118	.100	30.071	30.065	30.062	.066	.082	.088	.101	.108	.100	.073	.039	.005	29.983	29.977	29.982	29.989	29.991	.007	.011	.015	.017	.016	.044
„ 26,...	.020	.005	.005	29.999	29.999	.009	29.999	.020	.029	.035	.021	29.999	29.975	29.955	.937	.935	.937	.945	.949	29.967	29.975	29.981	29.983	29.983	29.986
„ 27,...	29.977	29.963	29.953	.947	.953	29.979	30.003	.027	.047	.058	.043	30.010	.979	.962	.948	.950	.961	.972	.990	30.008	30.011	30.009	30.011	30.011	.991
„ 28,...	30.003	.993	.980	.978	.980	.992	.002	.018	.030	.025	.015	29.995	.967	.937	.919	.905	.911	.925	.929	29.937	29.953	29.965	29.967	29.969	.971
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,.....	29.890	29.879	29.868	29.866	29.868	29.882	29.896	29.913	29.925	29.933	29.922	29.902	29.873	29.851	29.837	29.836	29.841	29.850	29.860	29.875	29.885	29.892	29.894	29.894	29.881

TABLE II.

TEMPERATURE FOR THE MONTH OF FEBRUARY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Feb. 1,	60.6	60.3	60.3	60.6	60.5	60.2	61.5	62.0	63.0	65.2	66.1	65.8	65.6	66.6	66.0	66.3	64.2	64.0	64.0	63.1	63.5	63.0	61.5	60.8	63.1	67.3	60.3
„ 2,	61.2	61.2	61.4	61.7	61.6	61.8	61.8	62.0	62.5	61.8	63.1	62.6	63.1	63.2	62.9	63.0	62.1	62.6	62.3	62.2	61.7	62.7	62.7	63.1	62.3	67.9	60.0
„ 3,	63 2	63.3	63.5	63.4	63.3	63.5	63.6	64.9	64.8	65.8	66.2	66.1	65.8	67.8	69.6	70.6	69.5	68.1	66.3	65.4	65.0	63.5	63.6	63.3	65.4	70.6	62.5
„ 4,	63.8	63.8	64.0	64.2	64.3	64.6	65.1	66.3	67.1	68.0	67.6	68.8	72.2	72.6	72.4	72.5	66.6	65.6	65.5	65.4	64.7	64.1	64.3	63.4	66.5	72.6	63.3
„ 5,	63.7	63.5	63.3	63.6	63.3	63.8	64.9	65.8	65.1	66.0	65.9	65.8	64.2	65.6	65.7	66.0	65.2	64.9	63.8	63.9	63.8	63.5	63.5	64.3	64.5	67.0	62.5
„ 6,	64.0	64.1	64.3	63.9	63.8	63.6	63.8	64.9	64.8	65.7	66.4	68.0	64.8	64.6	64.0	63.9	63.4	63.5	63.3	63.6	63.6	63.2	63.5	63.2	64.2	68.8	62.7
„ 7,	62.8	62.6	62.3	62.2	61.8	61.7	61.5	62.1	62.8	64.1	64.5	63.6	64.5	65.0	64.0	63.1	62.8	62.8	62.8	62.7	62.6	62.8	62.8	62.7	62.9	65.6	60.9
„ 8,	62.4	61.8	61.6	61.6	61.5	61.2	61.0	61.7	61.7	63.1	64.0	64.5	65.2	64.7	64.8	64.8	63.6	62.7	62.9	62.7	62.6	62.6	62.7	62.2	62.8	66.6	60.3
„ 9,	61.9	61.6	61.6	61.6	61.1	61.1	61.2	61.9	61.8	61.5	60.1	59.7	59.9	60.0	60.1	59.5	58.7	57.1	56.5	55.7	54.5	54.0	55.2	54.9	59.2	64.0	53.5
„ 10,	54.0	53.9	54.2	52.7	53.1	54.2	53.5	54.8	56.5	59.1	59.5	61.0	62.1	62.6	63.8	62.9	61.9	59.5	58.3	58.4	57.3	56.8	56.2	56.9	57.6	63.8	51.9
„ 11,	55.7	54.3	53.6	55.0	53.2	54.3	52.8	54.8	56.5	58.7	61.4	63.6	63.7	64.8	64.7	64.3	62.6	59.5	57.3	57.5	57.4	55.8	55.9	55.5	58.0	64.8	51.8
„ 12,	55.3	54.9	54.4	54.3	54.2	54.3	54.6	58.8	60.8	62.8	62.5	63.7	62.8	62.7	62.8	62.4	61.7	61.0	61.0	60.9	61.0	60.9	60.4	59.5	59.5	64.7	53.5
„ 13,	59.1	59.0	58.9	58.9	58.9	58.8	58.8	60.7	61.9	63.9	64.1	64.6	64.5	64.3	64.0	63.6	62.8	61 9	61.8	61.8	62.7	62.8	62.7	62.5	61.8	64.7	58.6
„ 14,	62.5	62.2	62.1	62.2	62.0	62.1	62.3	64.6	65.6	66.7	67.5	67.8	69.8	69.8	68.7	67.2	65.7	64.7	64.6	64.8	64.7	64.6	65.1	65.0	65.1	70.6	61.4
„ 15,	63.8	64.9	64.6	63.3	64.4	63.8	64.8	66.0	66.8	67.5	69.0	67.8	70.2	70.8	73.6	67.8	67.6	67.7	56.8	66.4	66.3	66.0	66.0	65.5	66.7	74.2	63 0
„ 16,	65.6	65.7	65.7	65.5	65.7	65.8	66.7	67.7	67.8	70.0	70.4	70.2	69.5	71.1	70.8	72.6	73.5	73.1	72.0	71.8	73.2	73.0	73.5	73.5	69.8	73.6	65.1
„ 17,	73.7	73.3	72.1	71.3	71.6	71.8	72.6	73.1	74.9	76.1	76.0	76.0	75.7	76.6	75.6	74.6	75.0	74.6	74.0	74.2	74.6	74.6	75.3	74.4	74.2	77.2	70.5
„ 18,	73.8	73.5	74.3	74.2	74.3	74.2	73.7	74.4	74.2	74.5	73.1	75.6	76.2	75.1	75.0	74.4	74.5	74.6	74.0	74.2	74.3	74.5	73.4	70.8	74.2	76.4	70.8
„ 19,	71.2	70.7	71.1	70.9	70.8	70.5	70.8	70.7	66.9	65.5	64.8	64.5	64.7	64.3	63.9	63.8	63.7	63.5	64.1	63.6	63.3	63.4	63.4	63.7	66.4	71.6	62.8
„ 20,	63.9	64.0	64.0	64.4	64.5	64.5	64.3	64.0	64.5	64.2	64.4	64.4	64.1	63.8	64.0	63.4	64.3	64.0	63.4	63.3	63.9	63.5	63.4	63.6	64.0	64.6	62.8
„ 21,	63.5	63.6	63.7	63.8	63.7	63.9	64.6	64.8	64.9	64.9	65.8	65.2	65.2	62.1	61.3	61.0	59.8	59.0	58.9	58.7	59.1	58.6	57.4	56.5	62.1	66 0	56.5
„ 22,	55.6	55.1	54.5	54.8	55.0	55.3	55.8	56.8	56.7	56.8	56.2	57.4	57.8	57.7	57.4	57.8	57.8	56.5	55.6	55.9	55.7	55.7	56.3	55.4	56.2	58.6	54.5
„ 23,	54.7	54.5	54.2	53.5	53.4	54.6	53.5	54.4	55.0	55.8	57.2	58.0	56.8	56.1	55.6	54.6	54.5	53.5	53.3	53.3	53.5	53.4	53.7	53.8	54.6	58.0	52.6
„ 24,	53.6	53.3	52.1	51.4	51.4	51.2	51.2	51.7	52.5	53.2	53.5	52.1	53.4	52.0	49.8	50.4	51.6	51.5	51.3	50.7	50.5	50.3	50.2	50.5	51.6	54.2	50.1
„ 25,	50.0	48.7	48.6	48.8	48.2	49.5	47.9	50.9	54.5	57.1	57.5	57.8	59.6	58.6	58.8	59.1	57.8	56.9	56.5	54.5	55.4	54.9	55.1	57.0	54.3	59.9	46.6
„ 26,	57.6	58.1	57.8	57.5	56.6	56.1	56.6	57.8	59.0	61.3	60.6	61.1	61.8	61.0	62.1	61.8	61.0	61.3	61.3	61.6	62.0	61.6	61.7	62.0	60.0	62.1	55.0
„ 27,	62 0	62.2	61.6	62.2	61.9	61.3	61.8	62.2	62.7	62.8	63.9	64.2	64.7	64.7	63.5	63.8	63.7	63.7	63.3	63.0	63.2	63.8	63.7	63.8	63.1	65.3	61.2
„ 28,	63.7	63.4	63.6	63.5	63.5	63.7	64.1	65.4	66.8	68.3	68.8	68.2	66.6	66.8	66.8	67.8	67.5	67.2	66.5	66.8	66.8	65.5	66.1	65.7	66.0	70.0	62.9
.....	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,	61.5	61.3	61.2	61.1	61.0	61.1	61.2	62.3	62.9	63.9	64.3	64.6	64.8	64.8	64.7	64.4	63.7	63.0	62.5	62.4	62.4	62.1	62.1	61.9	62.7	66.8	59.2

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF FEBRUARY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
Feb. 1, ...	54.8	55.6	54.8	54.4	53.7	54.2	54.7	55.6	55.7	56.7	57.6	57.9	58.5	59.3	59.9	61.1	60.1	61.2	61.1	60.1	60.4	60.6	59.8	59.5	57.8	123.4
„ 2, ...	59.5	59.6	59.5	59.8	59.9	60.1	60.2	60.6	60.7	60.7	61.0	61.1	61.2	61.1	61.3	62.1	61.7	62.0	61.9	61.9	61.4	62.4	62.6	63.1	61.1	89.1
„ 3, ...	63.1	63.2	63.1	63.2	63.1	63.2	62.9	64.0	63.7	64.7	65.5	64.8	64.3	65.5	66.8	67.1	65.7	65.7	64.7	63.6	63.0	62.6	62.9	62.5	64.1	114.9
„ 4, ...	62.0	62.1	62.3	62.4	62.6	62.9	63.1	63.7	64.6	64.7	64.9	65.6	65.9	67.1	66.8	67.6	66.1	64 1	63.8	63.8	63.7	63.4	63.4	63.1	64.2	125.2
„ 5, ...	63.1	63.0	62.9	63.0	62.8	63.1	63.9	64.2	62.9	63.3	63.7	64.0	62.9	63.7	63.7	64.1	63.1	62.5	62.4	62.7	62.3	62.0	62.1	62.8	63.1	104.6
„ 6, ...	62.2	62.3	62.4	62.0	61.7	61.5	61.6	62.5	62.5	62.9	63.4	63.8	62.7	62.7	62.5	62.1	61.9	61.6	61.4	61.2	61.2	61.0	61.6	61.3	62.1	127.4
„ 7, ...	60.8	60.2	60.0	59.7	59.1	59.2	58.8	58.9	59.9	60.9	60.7	60.3	60.2	60.7	59.8	59.1	58.6	58.8	59.0	58.8	58.3	59.0	59.3	59.3	59.6	121.3
„ 8, ...	59.0	59.0	58.8	58.7	58.6	58.6	58.2	58.6	58.6	58.8	59.7	60.1	60.2	60.2	59.8	59.7	58.5	58.4	59.0	58.9	58.7	59.1	59.4	59.4	59.1	119.6
„ 9, ...	59.5	59.3	59.0	58.6	58.4	58.9	58.7	58.9	58.9	57.8	55.6	55.0	54.9	53.9	54.0	54.7	53.0	52.5	50.8	50.0	48.6	47.6	48.0	47.8	54.8	102.5
„ 10, ...	47.1	46.1	45.7	45.0	44.6	44.0	43.6	44.5	44.9	46.6	46.8	46.9	48.3	49.1	49.6	49.2	48.9	48.6	48.4	48.4	47.5	46.9	46.7	46.1	46.8	119.8
„ 11, ...	45.5	45.1	44.6	44.4	43.7	43.6	42.9	43.9	44.1	44.7	44.4	46.4	47.0	47.6	50.2	51.3	50.4	49.4	49.8	48.5	49.3	49.9	50.5	49.3	46.9	123.4
„ 12, ...	48 6	48.9	48.7	48.3	48.2	48.4	48.4	48.9	49.9	51.6	52.3	52.1	52.2	52.9	53.2	53.0	53.4	53.8	54.0	54.0	54.0	54.5	55.8	54.8	51.7	119.0
„ 13, ...	54.3	53.9	54.0	53.2	53.0	52.3	52.9	53.0	54.1	53.8	56.5	58.6	59.0	59.9	60.0	60.4	59.9	59.6	59.9	60.1	60.3	60.8	60.4	60.9	57.1	119.3
„ 14, ...	60 7	61.0	61.0	61.0	60.5	60.5	60.5	61.7	61.9	62.1	62.1	62.1	63.3	63.2	63.6	62.8	62.5	62.2	62.7	62.5	62.8	63.1	63.7	63.8	62.1	127.6
„ 15, ...	63.0	63.6	63.2	62.6	63.4	63.3	63.9	64.2	64.5	64.7	65.2	64.7	66.5	66.4	67.4	65.3	65.2	65.1	64.7	64.6	64.7	64.7	64.9	64.9	64.6	121.1
„ 16, ...	64.9	65.0	64.9	64.8	64.9	64 9	65.2	65.7	65.8	67.0	67.1	67.2	67.1	68.7	68.6	70.2	70.7	70.7	70.0	69.7	71.0	71.0	71.2	71.1	67.8	111.1
„ 17, ...	71.2	71.2	70.6	70.5	71.1	71.2	71.2	72.0	72.2	73.1	72.6	72.3	72.1	72.3	71.9	71.9	72.0	72.2	72.1	72.3	72.3	72.4	72.2	72.4	71.9	102.9
„ 18, ...	71.7	71.8	71.6	71.6	71.9	72.0	72.1	72.2	72.4	72.7	71.0	72.8	72.6	72.5	72.6	72.5	72.6	72.7	72.7	72.8	73.2	73.2	72.4	70.8	72.3	101.1
„ 19, ...	71.2	70.6	71.0	70.7	70.8	70.3	70.1	69.9	65.9	65.0	63.8	63.4	63.5	63.4	63.4	62.9	62.9	63.0	63.1	62.5	62.4	62.9	63.0	63.5	65.8	84.1
„ 20, ...	63.4	63 4	63.5	63.6	63.9	63.8	63.5	63.2	63.5	63.4	63.5	63.4	63.6	63.0	63.1	62.7	63.6	63.0	62.7	62.9	63.0	62.8	63.0	63.1	63.3	82.5
„ 21, ...	63.2	63.2	63.2	63.2	63.3	63.5	63.6	63 5	62.7	63.1	64.2	63.7	63.4	61.9	60.3	59.7	58.8	58.0	57.5	57.4	56.6	56.0	55.5	54.5	60.8	88.1
„ 22, ...	53.6	52 5	51.9	51.6	57.8	51.5	50.9	51.9	51.1	51.3	50.6	51.3	52.1	52.2	52.7	52.9	52.0	51.4	50.7	50.6	49.8	50.5	49.8	49.7	51.4	74.8
„ 23, ...	49.7	50.1	49.2	48.6	48.3	47.9	47.0	47.7	49.8	49.6	50.4	51.2	50.2	49.7	49.7	48.6	48.8	47.5	48.3	47.8	47.9	48.5	49.2	49.5	49.0	93.7
„ 24, ...	49.0	48.7	48.1	48.0	47.9	47.8	47.8	47.7	48.1	49.0	48.5	47.4	47.5	47.5	47.1	47.3	47.2	45.3	45 2	45.0	43.8	44.0	44.3	43.6	46.9	66.1
„ 25, ...	41.5	40.8	40.3	40.4	40.0	40.4	39.9	41.0	43.9	46.1	47.2	47.9	50.0	48.9	49.5	49.5	48.4	48.4	48.7	47.7	48.7	50.0	50.4	50.9	45.9	115.8
„ 26, ...	50.4	51.1	51.3	51.0	50.6	50.8	50.8	50.7	51.9	54.4	53.7	53.7	55.1	55.7	56.1	56.2	55.6	55.8	56.2	56.6	57.1	56.8	57.5	57.5	54.0	114.3
„ 27, ...	57.7	56.9	58.3	59.0	58.8	59.2	59.8	60.6	60.9	61.6	61.9	61.8	61.6	61.2	60.7	60.8	61.6	61.2	61.8	62.1	62.2	62.6	62.9	62.9	60.8	115.5
„ 28, ...	62.8	62.7	62.8	62.7	62.8	62.9	63.2	64.5	64.7	65.3	65.8	65.6	64.7	64.5	64.3	65.1	65.0	65.0	64.8	64.8	65.1	64.4	64.7	64.6	64.3	119.2
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	58.3	58.2	58.1	57.9	58.0	57.9	57.8	58.3	58.6	59.1	59.3	59.5	59.7	59.8	59.9	60.0	59.6	59.3	59.2	59.0	58.9	59.0	59.2	59.0	58.9	108.1

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF FEBRUARY, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	80	0.461	Feb. 1,.....	71	0.410
2 „	81	.461	„ 2,.....	93	.524
3 „	81	.459	„ 3,.....	93	.583
4 „	80	.454	„ 4,.....	88	.571
5 „	81	.459	„ 5,.....	93	.560
6 „	80	.454	„ 6,.....	89	.531
7 „	79	.450	„ 7,.....	81	.468
8 „	76	.450	„ 8,.....	79	.454
9 „	75	.452	„ 9,.....	74	.373
10 „	73	.454	„ 10,.....	38	.179
11 „	72	.455	„ 11,.....	37	.177
Noon.	72	.458	„ 12,.....	56	.282
1 p.	72	.461	„ 13,.....	73	.407
2 „	72	.464	„ 14,.....	84	.519
3 „	73	.469	„ 15,.....	89	.582
4 „	75	.475	„ 16,.....	90	.655
5 „	77	.472	„ 17,.....	89	.753
6 „	78	.472	„ 18,.....	90	.769
7 „	80	.477	„ 19,.....	97	.628
8 „	79	.471	„ 20,.....	95	.574
9 „	79	.468	„ 21,.....	92	.517
10 „	81	.475	„ 22,.....	70	.319
11 „	82	.481	„ 23,.....	64	.275
Midt.	82	.477	„ 24,.....	67	.259
			„ 25,.....	46	.200
			„ 26,.....	65	.339
			„ 27,.....	87	.504
			„ 28,.....	91	.582
			.....	...	...
			.....	...	...
			.....	...	...
Means,.....	78	0.464	Means.	78	0.464

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
Feb. 1,.....	...	...	0.1	0.8	0.9	1.0	0.7	1.0	1.0	1.0	1.0	0.6	...	8.1
„ 2,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,.....	...	...	...	...	...	...	...	...	...	0.1	0.1	...	...	0.2
„ 4,.....	...	...	0.8	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.3	...	9.0
„ 5,.....	...	...	...	...	...	...	...	...	...	0.3	1.0	0.5	...	1.8
„ 6, ...	...	0.2	0.4	...	0.9	0.6	0.2	...	...	...	...	...	...	2.3
„ 7,.....	...	...	0.2	0.3	1.0	1.0	1.0	1.0	0.9	0.3	...	...	...	5.7
„ 8,.....	...	...	0.1	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	8.2
„ 9,.....	...	0.1	0.5	...	...	...	...	...	...	...	...	...	...	0.6
„ 10,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.3
„ 11,.....	...	0 7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.3
„ 12,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.3
„ 13,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.5
„ 14,.....	...	0.5	0.8	0.8	0.9	1.0	0.9	1.0	1.0	1.0	1.0	0.2	...	9.1
„ 15,.....	...	0.1	0.3	0.1	0.1	...	...	0.5	0.9	0.6	0.6	0.1	...	3.3
„ 16,.....	...	...	...	0.2	...	0.3	0.1	...	...	...	...	...	...	0.6
„ 17,.....	...	...	...	0.1	...	0.1	...	0.1	...	...	...	...	...	0.3
„ 18,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,.....	...	...	...	...	...	0.2	...	...	...	...	...	...	...	0.2
„ 24,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.5
„ 26,.....	...	0.5	0.9	...	0.4	0.4	...	0.1	...	0.6	...	...	...	2.9
„ 27,.....	...	...	...	...	...	0.1	...	0.1	...	...	...	...	...	0.2
„ 28,.....	...	...	...	...	0.1	0.1	...	...	...	0.1	0.7	...	...	1.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	4.8	9.1	9.1	11.3	11.8	9.9	10.8	10.7	11.0	11.4	5.5	...	105.4

TABLE VI.

RAINFALL FOR THE MONTH OF FEBRUARY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
Feb. 1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.015	0.020	2
" 2	...	...	0.005	...	...	...	0.005	0.025	0.010	0.020	...	0.005	0.010	0.030	0.200	0.035	0.005	0.015	0.080	0.010	0.400	0.225	0.085	0.025	1.190	22
" 3	0.005	0.035	...	0.040	0.025	...	0.005	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.120	5
" 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 5	...	...	...	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...
" 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 15	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...
" 16	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	0.005	0.010	...	...	...	0.005	0.035	0.060	3
" 18	0.050	0.020	...	...	...	0.015	0.015	0.005	...	...	...	...	0.005	...	...	...	...	...	0.005	...	...	...	...	0.005	0.120	13
" 19	0.005	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	0.010	...	0.010	...	...	...	0.005	...	...	0.035	10
" 20	0.020	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.025	0.015	0.010	0.005	0.025	0.010	0.010	...	0.105	0.230	14
" 21	0.020	0.005	...	0.005	0.005	0.050	0.005	0.005	...	...	...	...	...	0.005	0.005	0.005	...	...	...	...	...	...	0.025	0.075	0.210	10
" 22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 24	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	2
" 25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 27	...	...	0.010	...	0.005	0.005	0.015	0.010	0.070	0.040	...	...	...	...	...	...	...	0.005	0.030	0.025	0.085	0.005	0.075	0.115	0.495	11
" 28	0.020	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.025	2
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.120	0.060	0.020	0.045	0.040	0.075	0.045	0.055	0.080	0.065	...	0.005	0.015	0.040	0.210	0.080	0.020	0.045	0.130	0.060	0.495	0.245	0.195	0.375	2.520	94

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF FEBRUARY, 1898.

Date	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Feb. 1.	9	18	8	19	9	17	8	20	9	18	8	13	9	13	8	10	9	10	8	18	8	31	7	35	7	32	8	32	8	33	8	25	7	26	7	19	6	16	7	25	7	27	7	29	8	35	7	36	557	23.2	8
" 2.	7	33	7	34	7	26	7	22	7	22	8	20	8	16	8	13	8	12	8	13	8	23	7	19	7	14	9	11	9	5	...	0	9	3	9	3	...	1	...	1	9	3	...	1	...	1	...	0	296	12.3	8
" 3.	...	1	9	2	9	5	8	3	8	3	...	1	8	5	...	1	...	0	8	2	8	3	8	5	8	7	10	7	10	4	10	2	...	1	...	1	9	8	8	17	9	19	7	17	9	19	8	18	151	6.3	8
" 4.	8	23	9	20	9	15	9	12	9	8	9	5	7	3	...	1	6	2	8	12	8	10	8	5	25	9	25	9	27	7	23	3	20	2	26	3	29	7	27	2	...	0	28	3	4	8	8	7	176	7.3	7
" 5.	11	6	11	2	...	0	...	0	...	0	10	6	10	2	10	6	12	10	12	8	10	11	10	13	9	10	9	6	8	7	8	15	9	17	9	17	8	14	9	15	9	16	9	17	9	14	9	10	222	9.3	9
" 6.	9	11	9	13	10	13	9	14	10	14	9	12	9	13	9	13	9	15	10	15	9	14	9	12	7	20	7	18	7	15	7	15	7	13	7	12	7	10	8	10	9	11	8	12	5	12	7	15	322	13.4	8
" 7.	8	15	8	17	8	22	8	24	7	25	7	21	7	26	7	27	7	27	8	25	7	33	7	27	7	25	8	21	9	24	8	20	8	18	8	15	8	16	8	16	7	19	8	16	8	12	7	16	507	21.1	8
" 8.	7	18	7	23	6	20	7	17	7	17	7	14	9	22	7	22	9	27	7	26	7	25	7	21	8	22	8	22	7	20	8	23	7	19	7	19	7	18	7	17	7	16	7	15	6	10	7	11	464	19.3	7
" 9.	8	16	7	18	8	12	8	14	9	19	9	10	9	12	9	10	3	10	32	8	1	12	32	11	32	9	32	9	29	10	3	7	32	12	31	8	1	8	2	9	2	14	32	8	3	7	3	10	263	11.0	4
" 10.	5	11	2	24	1	35	31	13	3	16	4	18	2	16	2	24	32	25	2	21	1	19	1	15	32	16	32	11	32	8	32	8	2	7	31	7	...	0	31	4	2	3	1	8	2	7	3	12	328	13.7	1
" 11.	3	11	3	4	2	7	3	13	4	7	1	10	1	8	32	9	1	20	1	22	1	15	6	6	25	8	23	5	25	8	24	8	24	4	...	1	20	2	20	3	...	0	...	0	...	0	20	2	173	7.2	32
" 12.	...	1	...	1	20	2	...	1	...	1	20	2	20	4	11	8	9	14	8	18	8	16	9	16	10	23	9	19	9	19	8	21	7	22	7	21	7	22	6	19	6	20	6	16	7	15	8	17	318	13.3	8
" 13.	7	15	8	16	8	19	8	16	9	15	10	13	10	19	8	22	9	22	8	19	7	22	9	18	9	20	9	20	9	19	9	17	9	18	8	18	9	16	9	13	8	9	9	8	9	7	10	6	387	16.1	9
" 14.	11	7	9	11	8	14	8	13	8	13	10	10	10	8	10	5	10	10	9	15	9	19	9	14	9	10	9	12	8	13	8	18	8	17	8	14	7	13	7	11	7	9	7	5	7	5	7	2	268	11.2	8
" 15.	7	2	7	4	...	1	...	1	7	5	7	7	7	10	7	12	8	14	7	15	6	17	7	16	7	12	9	9	18	5	6	6	7	7	13	3	8	3	8	3	8	3	5	4	5	3	...	1	163	6.8	7
" 16.	...	0	...	1	...	0	12	2	12	4	7	3	7	6	6	12	6	12	6	12	7	14	7	13	8	8	13	4	14	5	16	5	16	9	17	10	13	4	12	4	15	10	16	7	17	8	16	7	160	6.7	11
" 17.	17	8	18	6	21	4	29	6	29	4	29	2	...	1	31	2	17	7	17	7	17	11	17	16	18	16	17	16	17	19	17	19	18	17	17	16	18	20	16	17	18	10	17	11	18	13	18	13	261	10.9	18
" 18.	22	17	20	19	18	20	19	13	19	17	18	16	20	15	19	20	19	27	20	18	22	12	18	26	19	23	19	31	19	23	19	22	19	20	19	22	18	10	17	11	18	16	19	18	19	22	24	11	449	18.7	19
" 19.	23	10	28	6	29	4	26	4	28	2	29	2	5	3	6	13	8	24	8	30	8	32	8	32	9	34	9	33	9	32	9	35	9	33	9	32	9	31	9	33	9	31	9	31	8	30	9	26	543	22.6	9
" 20.	9	26	9	26	9	26	9	25	9	26	9	29	7	28	8	33	8	31	9	29	8	34	8	30	8	30	8	32	9	30	9	29	9	30	9	33	8	34	9	33	9	33	9	34	9	30	8	33	724	30.2	9
" 21.	9	30	8	27	9	26	8	20	9	21	7	7	8	9	9	7	10	10	...	1	24	7	25	7	25	11	26	15	26	16	27	14	27	17	27	16	27	16	28	10	29	8	31	6	31	8	31	7	316	13.2	2
" 22.	31	10	32	4	1	6	31	5	32	6	32	6	31	6	30	4	32	8	32	9	1	8	1	7	1	2	1	3	1	7	...	1	31	3	1	8	32	8	1	11	1	12	1	12	2	13	32	14	173	7.2	32
" 23.	1	10	32	3	32	6	32	8	32	4	32	10	32	6	1	7	1	4	32	6	1	6	31	6	1	7	1	9	32	7	32	6	1	9	2	10	2	6	31	6	32	12	1	8	1	5	3	5	166	6.9	1
" 24.	2	6	32	6	1	10	1	9	1	12	1	12	1	7	1	4	2	5	32	10	1	11	32	11	32	9	32	10	32	7	2	2	...	0	3	5	1	11	31	13	32	12	31	15	31	6	31	12	205	8.5	32
" 25.	32	12	32	13	1	16	1	19	2	16	2	14	32	8	1	7	1	4	5	12	7	15	7	15	9	16	9	19	9	16	9	16	9	16	8	13	5	10	5	7	5	4	13	4	13	4	7	11	287	12.0	5
" 26.	5	9	5	13	5	12	5	13	7	9	7	9	8	22	7	24	6	17	7	23	7	21	7	19	7	17	8	17	9	21	9	20	7	17	9	15	9	13	9	12	9	17	9	17	8	19	8	16	392	16.3	8
" 27.	9	16	9	17	9	17	9	19	9	20	10	18	12	13	11	10	11	4	...	1	9	13	9	18	9	22	9	21	8	21	8	15	8	14	8	9	...	1	7	5	10	8	10	11	11	7	7	11	311	13.0	9
" 28.	6	6	...	0	...	1	31	2	...	0	31	2	...	1	...	0	32	5	8	11	9	12	9	6	28	4	28	6	28	3	28	3	...	0	27	2	27	4	9	12	9	11	10	5	10	9	11	3	108	4.5	7
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums.	...	348	...	349	...	356	...	328	...	324	...	292	...	302	...	326	...	376	...	406	...	466	...	439	...	436	...	427	...	404	...	375	...	371	...	352	...	322	...	339	...	353	...	338	...	329	...	332	8690	362.1	...
Means.	...	12.4	...	12.5	...	12.7	...	11.7	...	11.6	...	10.4	...	10.8	...	11.6	...	13.4	...	14.5	...	16.6	...	15.7	...	15.6	...	15.2	...	14.4	...	13.4	...	13.3	...	12.6	...	11.5	...	12.1	...	12.6	...	12.1	...	11.7	...	11.9	310.4	12.9	...

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
Feb. 1, ...	8	sm-cum.	W	3	cum.	...	2	sm-cum.	SW	5	c-cum.	WSW
„ 2, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	nim.	E
„ 3, ...	10	nim.	...	10	nim.	...	10	cum-nim.	...	10	str. / fog.	...
„ 4, ...	8	sm-cum.	W	9	cum.	...	9	sm-cum. / str.	...	4	sm-cum. / cum.	...
„ 5, ...	3	sm-cum.	W	9	sm-cum.	W	10	str.	ESE	10	cum-nim.	ESE
„ 6, ...	7	sm-cum.	W	9	sm-cum.	W	4	sm-cum.	W	5	str. / cum.	NE / ..
„ 7, ...	10	cum.	ENE	10	str-cum.	...	10	sm-cum. / cum.	E	7	sm-cum. / cum.	NW / E
„ 8, ...	7	sm-cum.	W	10	str-cum.	E	9	sm-cum. / cum.	...	4	sm-cum. / cum.	E
„ 9, ...	10	str-cum.	E	10	str-cum.	E	10	sm-cum.	W	10	str-cum.	...
„ 10, ...	1	sm-cum.	W	0	...	...	1	c-cum.	...	1	sm-cum.	...
„ 11, ...	0	...	...	0	...	...	0	...	...	5	c-cum.	...
„ 12, ...	0	...	...	0	...	...	3	c-cum.	...	0	...	...
„ 13, ...	1	cum.	E	0	...	...	0	...	...	1	sm-cum.	...
„ 14, ...	2	cum.	E	10	str-cum.	...	7	c-cum. / cum.	WSW / E	6	c-cum. / cum.	WSW / E
„ 15, ...	0	...	...	0	...	...	1	sm-cum.	SSW	9	sm-cum. / cum.	SSW
„ 16, ...	10	str-cum.	...	10	str-cum.	...	10	sm-cum.	SSW	10	cum.	SW
„ 17, ...	10	str-cum.	...	10	str-cum.	...	10	cum.	SW	10	sm-cum. / cum.	SW
„ 18, ...	10	nim.	...	10	nim.	...	10	nim.	SW	10	nim.	SW
„ 19, ...	10	nim.	...	10	nim.	...	7	sm-cum. / fog.	WSW / ..	10	nim.	E
„ 20, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	nim.	E
„ 21, ...	10	nim.	...	10	nim.	...	10	cum-nim.	...	10	str-cum.	...
„ 22, ...	10	nim.	...	10	str-cum.	...	10	str-cum.	N	10	str-cum.	...
„ 23, ...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	SSW	10	str-cum.	...
„ 24, ...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...
„ 25, ...	0	...	...	0	...	...	0	...	...	1	c-cum.	...
„ 26, ...	0	...	...	0	...	...	0	...	...	8	sm-cum. / cum.	WNW / ..
„ 27, ...	10	cum-nim.	...	10	nim.	...	10	nim.	...	10	nim.	SSE
„ 28, ...	10	nim.	...	10	nim.	...	10	sm-cum. / cum.	...	10	sm-cum. / cum.	E
.....	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	6.7	...	...	7.1	...	...	6.9	...	...	7.4	...	...

TABLE VIII.—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
Feb. 1,...	7	c-str. / cum.	SSW / E	5	sm-cum. / cum.	E	9	cum.	E	10	nim.	E	6.1
„ 2,...	10	nim.	ENE	10	nim. / fog.	E / ..	10	nim.	...	10	nim.	...	10.0
„ 3,...	10	str-cum.	...	8	c-cum. / cum. / fog.	SSW / NNE / ..	9	cum.	NNE	7	sm-cum.	WSW	9.2
„ 4,...	2	cum.	...	2	cum.	...	0	...	...	1	sm-cum.	WSW	4.4
„ 5,...	10	nim.	ESE	4	sm-cum. / cum.	E	1	c-cum.	...	2	sm-cum.	W	6.1
„ 6,...	10	str-cum.	...	10	str-cum.	E	10	str-cum.	E	9	cum.	E	8.0
„ 7,...	4	cum.	ESE	10	cum.	E	10	R-cum.	E	10	sm-cum. / cum.	WSW / ..	8.9
„ 8,...	1	cum.	E	3	sm-cum. / cum.	...	10	str-cum.	E	10	sm-cum. / cum.	...	6.8
„ 9,...	10	str-cum.	...	10	str-cum.	...	7	sm-cum.	W	0	...	...	8.4
„ 10,...	0	...	...	0	...	...	0	...	...	0	...	...	0.4
„ 11,...	0	...	...	1	c-cum.	...	0	...	...	0	...	...	0.7
„ 12,...	0	...	...	0	...	...	0	...	...	0	...	...	0.4
„ 13,...	0	...	...	0	...	...	0	...	...	2	cum.	...	0.5
„ 14,...	2	c-cum. / cum.	WSW / ..	1	c-cum.	...	0	...	...	1	cum.	...	3.6
„ 15,...	10	cum.	SSW	9	cum.	...	9	sm-cum. / cum.	...	9	sm-cum. / cum.	...	5.9
„ 16,...	10	nim.	SW	10	R-cum.	SW	9	cum.	SW	9	cum.	SSW	9.8
„ 17,...	10	sm-cum. / cum.	SSW	10	nim.	SSW	10	cum-nim.	SSW	10	cum-nim.	SW	10.0
„ 18,...	10	cum-nim.	SW	10	nim. / fog.	SW / ..	10	nim.	SW	10	nim.	SW	10.0
„ 19,...	10	nim.	E	10	nim.	E	10	nim.	E	10	nim.	E	9.6
„ 20,...	10	nim.	E	10	nim.	E	10	nim.	E	10	nim.	E	10.0
„ 21,...	10	str-cum.	...	10	nim.	...	10	cum-nim.	...	10	str-cum.	...	10.0
„ 22,...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10.0
„ 23,...	10	str-cum.	WSW	10	str.	...	10	str-cum.	...	10	str-cum.	...	10.0
„ 24,...	10	str-cum.	...	10	str-cum.	NNW	10	str-cum.	...	10	str-cum.	...	10.0
„ 25,...	0	...	...	0	...	...	0	...	...	0	...	...	0.1
„ 26,...	10	sm-cum. / cum.	NW / SSE	10	cum.	SSE	9	cum.	S	10	cum.	S	5.9
„ 27,...	10	cum.	SSE	10	str-cum.	...	10	nim.	...	10	nim.	...	10.0
„ 28,...	10	str-cum.	...	2	cum.	...	9	sm-cum.	WSW	7	cum.	SSE	8.5
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	7.0	...	...	6.6	...	...	6.9	...	...	6.7	...	...	6.9

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF FEBRUARY, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	2.6	9.4	1.6	1.1	+ 1.0	+ 8.3	E 7° N
2 „	2.8	9.6	1.3	0.7	1.5	8.9	E 9° N
3 „	3.6	9.1	1.6	0.5	2.0	8.6	E 13° N
4 „	3.1	8.7	0.9	0.6	2.2	8.1	E 15° N
5 „	2.6	9.2	1.7	0.4	0.9	8.8	E 6° N
6 „	2.9	7.7	1.6	0.3	1.3	7.4	E 10° N
7 „	2.4	8.2	1.6	0.5	0.8	7.7	E 5° N
8 „	2.9	9.0	1.3	0.5	1.6	8.5	E 10° N
9 „	3.5	9.5	2.2	0.6	1.3	8.9	E 8° N
10 „	3.5	11.0	1.5	0.5	2.0	10.5	E 11° N
11 „	3.7	13.5	1.1	0.7	2.6	12.8	E 11° N
Noon.	3.1	12.2	2.2	0.7	0.9	11.5	E 4° N
1 p.	2.7	11.4	2.3	1.8	+ 0.4	9.6	E 2° N
2 „	2.1	10.8	2.8	1.9	− 0.7	8.9	E 5° S
3 „	2.1	10.0	3.0	2.0	0.9	8.0	E 6° S
4 „	1.3	10.0	2.4	1.5	1.1	8.5	E 7° S
5 „	2.1	9.7	2.4	1.4	0.3	8.3	E 2° S
6 „	2.2	8.9	2.3	1.4	− 0.1	7.5	E 1° S
7 „	2.7	8.1	1.6	1.2	+ 1.1	6.9	E 9° N
8 „	2.6	9.0	2.0	0.6	0.6	8.4	E 4° N
9 „	3.0	9.2	2.3	0.5	0.7	8.7	E 4° N
10 „	2.9	8.6	2.2	0.6	0.7	8.0	E 4° N
11 „	2.4	8.6	2.2	0.8	0.2	7.8	E 1° N
Midt.	2.6	9.0	1.1	0.7	+ 1.5	+ 8.3	E 11° N
Means,.....	2.7	9.6	1.9	0.9	+ 0.84	+ 8.70	E 6° N

PHENOMENA :—

Solar halo :—on the 1st.

Solar corona :—on the 11th.

Lunar corona :—on the 4th.

Thick fog :—on the 19th.

Fog :—on the 2nd, 3rd, 4th, 5th and 17th.

Slight fog :—on the 12th, 16th, 18th, 27th and 28th.

Haze :—on the 4th, 13th, 14th and 16th.

Dew :—on the 4th, 15th, 16th and 25th.

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF MARCH, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Mar. 1,...	29.958	29.952	29.943	29.935	29.942	29.952	29.973	29.979	29.986	29.984	29.968	29.953	29.938	29.915	29.895	29.887	29.893	29.907	29.923	29.933	29.955	29.955	29.947	29.951	29.943
„ 2,...	.935	.941	.943	.927	.937	.942	.947	.969	.971	.967	.953	.939	.907	.879	.859	.849	.853	.869	.873	.883	.891	.889	.887	.881	.912
„ 3,...	.871	.849	.829	.825	.817	.837	.847	.851	.865	.867	.839	.807	.772	.740	.717	.703	.689	.698	.706	.716	.733	.742	.740	.740	.783
„ 4,...	.732	.712	.690	.689	.702	.723	.743	.760	.777	.784	.772	.746	.718	.690	.667	.670	.691	.711	.729	.761	.779	.792	.799	.799	.735
„ 5,...	.802	.802	.809	.817	.830	.869	.905	.946	.975	.991	.982	.975	.958	.929	.916	.926	.939	.961	.981	.998	30.016	30.025	30.032	30.029	.934
„ 6,...	30.021	30.005	.998	.983	.989	.998	30.032	30.043	30.053	30.069	30.053	30.031	.995	.967	.933	.941	.939	.950	.974	.995	.003	.022	.021	.018	30.001
„ 7,...	29.990	29.994	.963	.951	.958	.979	29.979	.002	.016	.011	29.991	29.979	.942	.924	.893	.882	.885	.894	.913	.930	29.941	29.953	29.954	29.960	29.954
„ 8,...	.948	.940	.922	.917	.921	.932	.953	29.975	29.992	29.985	.969	.937	.911	.887	.865	.858	.869	.875	.897	.918	.939	.969	.982	.979	.931
„ 9,...	.973	.952	.930	.920	.924	.942	.962	.984	.997	.996	.997	.974	.967	.942	.935	.947	.956	.976	.986	30.013	30.013	30.032	30.035	30.033	.974
„ 10,...	30.038	30.026	30.003	.994	.995	30.005	30.026	30.037	30.054	30.055	30.040	30.019	.992	.965	.950	.939	.937	.937	.946	29.969	29.987	29.987	29.978	29.974	.994
„ 11,...	29.951	29.943	29.950	.938	.948	29.973	29.991	.013	.024	.030	.025	.017	.988	.957	.938	.926	.924	.932	.953	.974	.996	30.005	30.008	30.002	.975
„ 12,...	.998	.985	.972	.979	.991	30.020	30.036	.057	.071	.071	.052	.006	.974	.941	.921	.924	.945	.963	.981	30.013	30.038	.060	.062	.058	30.005
„ 13,...	30.037	30.016	.988	.968	.969	29.988	29.993	.013	.035	.033	.020	.008	.979	.954	.928	.928	.927	.940	.954	29.970	29.993	.002	29.993	29.994	29.985
„ 14,...	29.990	29.972	.959	.954	.963	.978	30.003	.025	.045	.040	.022	29.987	.951	.921	.897	.876	.877	.883	.895	.931	.955	29.958	.966	.957	.959
„ 15,...	.936	.917	.900	.893	.881	.892	29.916	29.929	29.935	29.918	29.890	.864	.844	.807	.801	.787	.785	.789	.807	.817	.829	.835	.829	.820	.859
„ 16,...	.800	.781	.775	.779	.780	.789	.808	.826	.834	.832	.819	.794	.767	.745	.738	.732	.733	.735	.749	.772	.789	.802	.806	.812	.783
„ 17,...	.801	.791	.784	.791	.803	.828	.847	.867	.878	.883	.866	.840	.815	.809	.784	.777	.781	.786	.807	.819	.832	.850	.858	.855	.823
„ 18,...	.845	.831	.816	.815	.825	.841	.861	.887	.883	.865	.855	.851	.818	.800	.791	.791	.803	.810	.822	.842	.860	.860	.857	.852	.837
„ 19,...	.840	.831	.816	.802	.809	.825	.848	.861	.878	.883	.881	.859	.826	.792	.767	.757	.758	.761	.772	.790	.799	.814	.824	.824	.817
„ 20,...	.819	.814	.800	.792	.797	.819	.841	.857	.866	.872	.862	.842	.822	.788	.769	.757	.753	.757	.778	.798	.828	.832	.848	.848	.815
„ 21,...	.843	.821	.796	.797	.810	.824	.838	.848	.867	.884	.876	.879	.853	.830	.820	.812	.835	.840	.872	.896	.933	.950	.942	.941	.859
„ 22,...	.948	.940	.928	.920	.915	.946	.983	30.014	30.011	30.038	30.042	30.027	.999	.978	.957	.939	.942	.958	.975	30.004	30.023	30.038	30.041	30.035	.983
„ 23,...	30.013	.994	.974	.964	.976	30.006	30.025	.045	.072	.084	.057	.043	30.017	.989	.974	.973	.976	.981	.994	.014	.032	.039	.028	.025	30.012
„ 24,...	.013	.990	.961	.951	.955	29.964	29.980	.000	.011	.025	.020	29.987	29.963	.933	.910	.888	.891	.893	.904	29.929	29.954	29.967	29.967	29.962	29.959
„ 25,..	29.941	.922	.892	.871	.871	.878	.899	29.917	29.940	29.939	29.922	.902	.888	.869	.850	.837	.827	.830	.843	.857	.876	.887	.888	.881	.884
„ 26,...	.870	.860	.861	.859	.859	.862	.879	.901	.904	.902	.889	.869	.839	.816	.797	.792	.791	.796	.806	.828	.861	.877	.886	.876	.853
„ 27,...	.865	.848	.831	.838	.839	.851	.863	.880	.900	.903	.896	.887	.870	.852	.831	.814	.812	.815	.814	.827	.850	.859	.851	.838	.852
„ 28,..	.836	.830	.821	.820	.834	.846	.869	.883	.897	.894	.882	.856	.830	.809	.792	.791	.796	.797	.804	.819	.837	.853	.853	.848	.837
„ 29,..	.835	.827	.818	.813	.826	.845	.857	.880	.897	.892	.891	.878	.852	.830	.814	.802	.796	.797	.806	.828	.843	.849	.843	.839	.840
„ 30,...	.827	.817	.801	.807	.812	.834	.849	.869	.881	.884	.880	.861	.831	.804	.789	.767	.763	.767	.767	.781	.794	.799	.790	.779	.815
„ 31,...	.778	.763	.749	.749	.762	.775	.788	.805	.819	.816	.808	.785	.760	.738	.726	.716	.722	.729	.756	.770	.783	.786	.780	.769	.768
Means,.....	29.905	29.892	29.878	29.873	29.879	29.895	29.914	29.933	29.946	29.948	29.936	29.916	29.890	29.865	29.846	29.838	29.842	29.850	29.864	29.884	29.902	29.913	29.913	29.909	29.893

TABLE II.

TEMPERATURE FOR THE MONTH OF MARCH, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Mar. 1,	65.8	65.7	65.6	65.7	65.7	66.4	65.8	67.8	69.9	71.4	70.2	68.6	66.8	65.3	66.2	66.9	66.5	65.2	65.1	64.8	64.9	64.5	63.9	63.6	66.5	73.0	63.6
„ 2,	63.3	62.7	62.6	61.7	61.7	61.7	61.4	62.0	62.8	63.4	64.4	63.8	63.2	63.8	64.2	63.6	63.4	62.7	62.4	62.3	61.5	60.9	60.5	60.1	62.5	64.9	60.1
„ 3,	60 0	60.1	60.2	60.6	60.9	61.3	61.4	61.7	62.2	63.1	62.8	62.8	62.2	61.9	61.5	61.9	61.5	61.4	62.4	62.4	62.8	62.7	62.7	62.8	61.8	63.1	59.5
„ 4,	62.8	62.8	62.7	62.6	62.6	62.8	63.1	63.5	63.6	64.5	65.0	65.0	64.8	65.6	66.1	64.7	64.7	64.6	65.2	66.5	67.0	66.8	66.4	64.6	64.5	67.0	61.8
„ 5,	64.5	64.6	62.6	61.6	61.8	58.9	58 4	58.8	58.1	58.1	57.4	57.5	56.6	55.8	57.3	56.6	55.8	54.5	53.8	54.5	55.1	55.2	55.1	54.7	57.8	64.9	53.8
„ 6,	54.9	55.1	54.4	54.6	54.6	54.7	55.6	55.6	55.9	56.4	56.7	57.6	57.2	57.8	57.8	58.2	58.6	58.3	58.5	59.0	59.3	59.1	59.2	59.7	57.0	59.7	53.6
„ 7,	59.5	59.1	58.6	58.8	58.4	58.2	58.4	58.8	59.3	60.8	61.8	62.1	62.8	62.9	63.5	63.4	62.9	62.3	62.2	62.8	63.4	63.5	62.9	63.3	61.2	63.7	57.8
„ 8,	62.7	63.2	63.3	63.4	63.6	63.8	63.6	64.3	64.9	65.8	66.4	67.8	68.1	68.2	68.3	68.6	68.5	66.7	66.2	65.8	65.2	65.0	64.6	64.6	65.5	68.7	62.2
„ 9,	64.8	63.9	63.5	63.3	63.1	63.0	62 8	62.8	63.0	64.0	65.8	66.3	63.6	62.4	62.6	61.9	59.3	58.6	58.9	58.7	58.1	57.4	57.0	56.6	61.7	68.3	56.6
„ 10,	56.6	55.7	55.3	54.8	55.0	54.2	54.7	56.8	59.6	59.8	60.8	62.1	61.0	60.1	59.5	59.0	59.4	59.2	59.4	60.0	60.2	60.2	59.8	59.7	58.5	63.1	53.2
„ 11,	60.2	59.1	58.8	59.0	59.0	58.5	58.9	59.8	60.5	62.3	64 2	64.8	64.5	64.4	64.6	64.8	62.8	61.1	61.2	61.6	62.1	62.5	62.4	62.3	61.6	66.5	58.0
„ 12,	62.0	60.4	60.0	59.7	59.8	60.2	60.3	60.8	61.5	62.4	64.8	65.1	65.0	65.8	66.1	66.2	66.5	63.7	63.7	63.6	63.4	61.2	61.1	57.8	62.5	67.3	59.5
„ 13,	58.0	57.4	56.3	55.9	54.6	54.5	56.2	57.2	59.8	62.6	62.8	66.0	65.1	66.5	67.4	68.6	64.8	62.4	61.0	61.3	60.7	61.6	62.0	60.6	61.0	69.6	53.9
„ 14,	59.8	59.1	58.6	57.8	57.6	57.7	58.2	58.8	58.7	60.8	61.0	61.8	62.8	62.9	62.2	61.6	61.3	60.2	59.6	59.5	59.5	59.6	59.3	59.0	59.9	63.7	57.6
„ 15,	58.4	58.3	58.3	58.0	58.2	58.3	59.1	60.8	62.6	63.6	65.8	66.0	68.5	68.4	67.4	66.2	65.1	62.2	61.0	60.9	61.0	61.1	61.2	60.7	62.1	70.1	57 5
„ 16,	60.5	60.4	60.0	59.9	59.8	60.3	60.8	62.9	65.2	66.2	67.4	66.8	66.8	66.3	66.6	66.8	65.8	65.3	64 3	64.0	64.0	63.7	63.4	64.0	63.8	68.1	59.4
„ 17,	64.6	64.8	64.8	64.9	64.9	65.2	65.5	66.1	67.1	67.5	68.2	68.8	70.2	68.8	70.6	68.4	67.6	67.2	66.6	66.7	67.0	67.6	67.2	67.4	67.0	70.7	63.2
„ 18,	67.0	66.6	66.5	65.4	64.7	64.3	64.5	64.6	65.9	67.0	67.4	67.6	66.4	66.5	66.0	65.0	64.0	62.7	62.6	61.3	61.6	62.0	61.9	61.5	64.7	68.2	60.9
„ 19,	61.5	61.5	61.3	61.2	61.1	61.0	60.4	61.6	62.1	63.0	62.8	64.5	66.8	67.4	69.0	66.6	64.0	62.7	63.0	63.7	63.8	63.4	63.5	64.0	63.3	71.3	60.2
„ 20,	64.1	63.8	63.3	63.0	63.0	62.8	62.5	62.5	63.9	64.8	64.8	65.0	64.7	64.8	64.6	63.8	63.3	62.7	63.3	63.5	64.6	65.1	65.3	65.3	63.9	65.3	62.3
„ 21,	65.2	65.3	65.4	65.2	64.8	64.6	64.8	65.0	66.0	65.8	66.7	66.3	65.7	66.3	65.8	65.8	66.0	66.2	65.9	64.6	64.5	64.7	64.3	64.1	65.4	67.6	64.0
„ 22,	63.4	62.2	61.6	61.0	60.8	60.6	60.5	60.6	61.6	62.3	62.2	62.8	62.8	63.0	63.2	63.0	63.1	62.7	62.5	62.6	63.5	63.2	63.1	63.5	62.3	64.8	60.5
„ 23,	62.4	61.7	61.1	60.9	61.2	60.7	61.5	62.0	62.5	64.0	66.6	67.8	70.3	70.8	70.6	70.8	69.6	66.2	65.8	65.0	64.8	65.5	65.5	65.7	65.1	72.5	60.7
„ 24,	65.3	65.7	64.6	64.3	63.7	63.4	63.8	65.3	66.8	69.0	71.5	68.6	68.4	69.0	68.6	67.8	67.5	66.2	66.1	65.4	65.5	65.5	65.7	66.3	66.4	72.3	62.5
„ 25,	66.2	65.8	64.8	65.3	64.9	64.4	63.8	63.5	64.6	65.9	68.2	69.6	69.0	69.3	69.7	69.2	67.2	65.7	66.3	66.9	66.5	66.8	66.4	66.3	66.5	70.3	63.2
„ 26,	66.4	66.3	64.6	64.9	64.9	65.4	65.8	66.5	69.0	71.3	73.8	75.1	76.3	76.1	75.4	73.8	70.6	69.8	69.5	69.8	69.8	69.9	69.8	70.1	69.8	78.4	63.6
„ 27,	69 9	69.6	69.2	68.9	69.6	69.4	69.5	69.5	66.7	66.4	67.2	66.8	66.8	67.1	68.0	69.0	69.1	68.8	67.6	67.7	68.3	68.7	68.6	68.4	68.4	69.9	66.1
„ 28,	66.7	66.4	65.3	64.9	64.6	64.3	64.5	65.2	65.4	66.8	68.1	68.9	68.8	69.2	68.6	68.9	68.5	68.8	68.3	68.6	68.7	68.7	69.0	69.0	67.3	69.6	64.3
„ 29,	69.3	69.7	69.6	69.5	69.8	69.5	69.0	69.8	70.5	70.1	71.0	73.0	73.5	73.5	72.6	72.9	71.8	70.8	69.7	70.1	70.0	69.8	69.3	68.4	70.5	74.1	68.4
„ 30,	68.0	68.0	68.1	68.1	68.2	68.1	68.9	69.8	71.2	71.6	73.1	73.5	74.9	74.6	74.9	72.6	71.6	71.0	70.8	71.0	70.0	69.8	69.3	69.4	70.7	76.5	67.0
„ 31,	70.0	70.4	70.7	70.4	70.4	70.7	70.9	73.4	75.5	77.0	77.6	79.0	78.9	78.7	79.2	79.6	77.3	76.2	73.7	73.2	72.8	72.9	72.1	72.2	74.3	79.8	68.5
Means,	63.3	63.1	62.6	62.4	62.4	62.2	62.4	63.2	64.1	65.1	66.0	66.5	66.5	66.6	66.7	66.3	65.4	64.4	64.1	64.1	64.2	64.1	64.0	63.7	64.3	68.8	60.8

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF MARCH, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
Mar. 1, ...	64.8	64.7	64.5	64.6	64.3	64.7	64.7	65.8	66.6	67.6	67.0	65.9	65.5	64.7	64.3	63.8	63.1	62.7	62.2	62.7	62.5	62.7	61.9	61.7	64.3	122.7
„ 2, ...	60.9	60.3	59.4	58.9	58.4	58.4	58.0	58.4	58.3	58.8	59.5	59.6	59.5	59.7	60.0	60.0	60.0	58.5	59.1	58.7	59.6	59.5	59.5	59.4	59.3	123.6
„ 3, ...	59.2	59.4	59.0	58.7	59.0	59.4	59.6	59.9	60.6	61.2	60.9	61.5	61.3	61.1	60.9	61.5	60.9	60.9	61.6	61.9	62.3	62.2	62.2	62.4	60.7	87.2
„ 4, ...	62.3	62.3	62.1	62.2	62.3	62.6	62.5	62.6	62.6	62.8	63.3	63.7	63.8	64.1	64.3	63.6	63.0	64.2	64.7	66.1	66.2	66.0	65.7	64.3	63.6	118.5
„ 5, ...	64.4	64.6	62.2	61.6	61.6	58.4	57.9	57.1	57.0	55.8	54.7	54.7	53.6	52.6	53.8	52.8	51.9	51.0	50.1	51.0	51.6	52.0	52.0	51.7	55.6	76.1
„ 6, ...	51.8	51.9	52.3	52.5	52.1	52.3	53.0	53.2	53.1	53.6	53.8	54.2	54.0	54.2	54.8	55.4	55.5	56.3	55.6	56.1	56.3	56.2	56.6	56.5	54.2	75.6
„ 7, ...	56.6	56.8	56.9	56.7	56.7	57.0	57.1	57.0	57.0	58.0	58.6	58.5	58.7	59.5	59.6	59.4	59.5	59.4	59.6	59.9	59.8	60.3	60.1	59.7	58.4	112.0
„ 8, ...	59.5	59.5	60.0	60.1	60.6	61.0	60.8	61.4	61.7	61.6	61.5	62.6	62.9	62.9	62.7	63.0	63.1	62.5	62.3	62.9	62.8	60.6	60.9	60.7	61.6	106.6
„ 9, ...	60.7	60.6	60.5	60.5	60.8	60.9	60.9	60.2	60.6	60.7	60.9	61.6	61.6	59.9	59.6	58.0	55.7	54.7	54.5	52.7	52.8	52.0	52.4	52.0	58.1	127.6
„ 10, ...	51.3	51.4	50.4	49.5	50.0	49.7	49.8	50.9	53.0	53.8	54.8	55.9	55.6	55.7	55.6	55.4	55.6	55.3	56.1	56.5	56.7	57.5	57.4	57.3	54.0	111.5
„ 11, ...	56.8	56.5	56.3	56.3	56.3	56.2	56.1	56.7	57.4	58.4	59.1	59.0	59.1	59.4	59.8	60.0	59.3	58.0	57.3	58.0	59.1	59.9	59.8	59.7	58.1	124.1
„ 12, ...	59.0	57.8	57.6	57.6	57.7	58.2	58.4	58.6	58.8	59.2	60.4	61.0	61.0	61.7	61.9	61.6	62.1	60.9	60.3	60.2	56.7	54.3	54.7	52.5	58.8	125.2
„ 13, ...	52.0	51.1	50.8	50.5	50.5	49.9	50.6	51.2	52.3	54.5	54.3	57.0	56.5	57.6	58.6	59.3	56.4	55.2	55.4	56.2	55.8	57.1	58.6	57.3	54.5	122.4
„ 14, ...	56.7	56.2	56.1	56.1	56.0	55.9	55.4	55.7	55.5	55.8	56.2	56.5	57.5	57.8	57.3	56.6	56.8	55.4	56.0	56.0	56.3	56.7	56.2	56.0	56.3	121.3
„ 15, ...	55.5	55.2	55.3	54.9	55.3	55.4	55.6	56.6	57.6	57.6	58.8	59.5	60.7	60.2	59.9	59.9	59.5	58.3	57.8	58.0	58.7	58.8	58.3	58.5	57.7	120.8
„ 16, ...	58.3	58.4	58.1	58.0	58.2	58.6	59.3	60.0	61.2	61.6	62.0	61.8	61.8	61.8	62.3	62.8	62.0	61.7	61.7	61.3	61.6	61.2	61.5	61.5	60.7	121.4
„ 17, ...	62.0	62.3	62.4	62.4	62.3	62.3	62.0	62.6	63.0	63.4	63.1	64.0	64.9	63.9	64.8	63.6	63.6	64.0	63.7	63.9	64.3	63.5	64.0	63.9	63.3	125.2
„ 18, ...	63.8	63.6	63.2	63.2	63.0	63.0	62.9	62.9	63.4	63.5	63.4	63.7	62.9	62.8	62.9	61.0	60.6	60.1	60.0	59.5	59.7	59.9	60.2	59.9	62.0	106.2
„ 19, ...	60.0	59.7	59.7	59.7	59.6	59.4	58.7	59.6	59.9	60.1	59.9	60.9	62.2	62.6	63.1	62.2	61.0	60.4	60.6	60.7	60.8	60.6	60.9	61.1	60.6	117.1
„ 20, ...	61.6	61.7	61.2	61.2	61.3	61.2	60.4	60.1	60.9	60.8	61.3	61.1	61.0	61.3	61.3	61.3	61.6	61.7	62.3	62.6	62.7	63.0	62.9	63.0	61.6	111.9
„ 21, ...	63.1	62.8	62.9	62.6	62.1	61.4	61.0	61.1	61.7	62.0	61.5	61.8	60.6	61.7	61.6	61.8	62.1	62.0	62.6	62.8	62.6	61.9	61.7	61.6	62.0	102.6
„ 22, ...	60.6	60.3	59.3	59.0	58.4	58.4	58.0	57.4	58.0	58.0	58.2	58.0	57.7	58.0	58.2	58.6	58.5	59.0	59.6	59.9	60.1	60.0	60.2	59.7	58.9	100.5
„ 23, ...	59.5	58.7	58.3	58.5	59.0	59.0	59.1	59.7	59.9	60.6	62.2	62.6	63.9	64.3	64.0	64.8	64.5	62.7	62.7	62.2	61.9	62.4	62.5	62.5	61.5	134.2
„ 24, ...	62.3	62.2	60.9	60.3	59.9	60.6	60.8	61.5	61.8	62.8	63.2	63.1	63.0	63.7	63.6	63.2	63.1	62.7	62.7	62.6	62.7	62.4	62.7	63.6	62.3	127.2
„ 25, ...	63.5	63.5	63.5	63.4	63.1	62.7	62.0	61.9	62.6	62.8	64.1	64.1	63.8	64.1	63.9	63.8	62.8	61.6	62.2	62.1	62.1	62.7	62.9	62.3	63.0	128.8
„ 26, ...	63.2	63.1	63.0	63.4	63.5	63.5	63.8	64.7	66.8	67.1	68.1	69.7	69.8	69.0	68.7	67.8	66.9	66.6	66.9	67.2	67.9	68.1	68.5	68.9	66.5	139.8
„ 27, ...	68.7	68.6	68.5	68.3	68.7	68.5	68.6	68.6	65.7	65.3	64.6	63.8	63.6	63.4	64.1	65.0	65.0	65.6	65.4	65.4	65.6	65.8	66.0	65.8	66.2	121.3
„ 28, ...	65.4	64.9	64.3	64.0	63.1	62.2	61.8	62.0	61.7	62.5	63.0	63.4	63.5	63.8	64.5	64.8	64.9	64.7	65.0	65.0	65.4	65.5	66.1	66.3	64.1	121.9
„ 29, ...	66.6	67.0	67.0	67.2	67.3	67.1	66.6	66.8	66.4	66.0	67.1	68.2	68.4	68.5	68.7	68.8	68.4	68.0	67.7	68.0	68.0	68.0	67.8	67.3	67.5	124.7
„ 30, ...	67.0	67.1	67.2	67.3	67.5	67.6	68.1	68.3	68.6	68.6	69.6	69.6	70.4	69.8	70.2	69.6	69.1	68.8	68.9	68.6	68.5	68.6	68.5	68.3	68.6	127.0
„ 31, ...	68.8	69.3	69.1	70.1	70.4	70.7	69.8	71.1	71.2	72.2	72.5	73.1	73.4	72.9	72.8	72.8	72.6	72.2	71.5	71.9	71.8	71.6	71.5	71.7	71.5	129.4
Means, ...	60.8	60.7	60.4	60.3	60.3	60.2	60.1	60.4	60.8	61.2	61.5	61.9	62.0	62.0	62.2	62.0	61.6	61.1	61.2	61.3	61.4	61.3	61.4	61.2	61.1	116.6

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF MARCH, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	85	0.506	March 1,.....	89	0.577
2 „	86	.506	„ 2,.....	82	.464
3 „	87	.503	„ 3,.....	94	.518
4 „	87	.502	„ 4,.....	95	.577
5 „	87	.502	„ 5,.....	87	.415
6 „	88	.502	„ 6,.....	82	.385
7 „	86	.496	„ 7,.....	83	.454
8 „	83	.494	„ 8,.....	79	.498
9 „	81	.495	„ 9,.....	80	.437
10 „	78	.495	„ 10,.....	73	.359
11 „	75	.492	„ 11,.....	80	.439
Noon.	75	.499	„ 12,.....	79	.449
1 p.	75	.502	„ 13,.....	63	.341
2 „	75	.501	„ 14,.....	78	.407
3 „	75	.506	„ 15,.....	75	.420
4 „	76	.505	„ 16,.....	84	.491
5 „	79	.504	„ 17,.....	80	.534
6 „	81	.501	„ 18,.....	85	.521
7 „	83	.508	„ 19,.....	85	.495
8 „	84	.511	„ 20,.....	87	.519
9 „	84	.513	„ 21,.....	81	.510
10 „	84	.512	„ 22,.....	80	.454
11 „	85	.516	„ 23,.....	80	.499
Midt.	85	.514	„ 24,.....	78	.509
			„ 25,.....	81	.530
			„ 26,.....	83	.605
			„ 27,.....	89	.616
			„ 28,.....	83	.557
			„ 29,.....	85	.634
			„ 30,.....	90	.675
			„ 31,.....	87	.736
Means,.....	82	0.504	Means.	82	0.504

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
March 1,.....	...	0.2	0.9	1.0	1.0	1.0	1.0	0.1	...	...	0.3	0.2	...	5.7
„ 2,.....	...	...	0.4	1.0	0.4	0.9	0.4	0.1	...	...	...	...	...	3.2
„ 3,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,.....	...	...	...	...	...	...	...	0.4	1.0	1.0	0.3	...	...	2.7
„ 5,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,.....	...	...	...	...	...	0.3	0.2	...	...	...	...	...	...	0.5
„ 8,.....	...	...	...	...	...	...	...	...	...	0.2	...	...	...	0.2
„ 9,.....	...	...	...	...	0.7	0.5	0.7	...	...	...	...	...	...	1.9
„ 10,.....	...	0.7	1.0	0.7	...	...	0.1	...	...	...	...	...	...	2.5
„ 11,.....	...	...	...	...	...	0.6	...	...	...	...	...	...	...	0.6
„ 12,.....	...	...	...	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	7.0
„ 13,.....	...	0.4	1.0	1.0	1.0	1.0	0.5	...	0.6	1.0	1.0	0.5	...	8.0
„ 14,.....	...	...	...	...	0.3	0.1	...	0.1	0.9	1.0	1.0	0.5	...	3.9
„ 15,.....	...	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.4
„ 16,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.8
„ 17,.....	...	...	...	0.4	0.4	0.5	0.8	0.9	0.3	0.7	..	...	...	4.0
„ 18,.....	...	..	...	0.1	...	...	...	...	...	...	...	...	...	0.1
„ 19,.....	...	...	...	...	...	...	...	0.1	0.5	0.3	0.9	0.3	...	2.1
„ 20,.....	...	...	...	...	0.1	0.1	0.2	0.3	0.6	0.1	...	...	...	1.4
„ 21.....	...	...	...	0.1	...	...	...	...	...	...	...	...	...	0.1
„ 22,.....	...	...	...	...	...	...	0.1	...	...	...	...	...	...	0.1
„ 23,.....	...	...	...	...	0.3	0.4	1.0	1.0	1.0	0.4	0.2	0.1	...	4.4
„ 24,.....	...	0.4	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.8
„ 25,.....	...	...	...	...	...	0.6	1.0	1.0	1.0	1.0	0.6	...	...	5.2
„ 26,.....	...	...	...	0.2	0.2	0.4	0.2	0.3	0.7	0.3	0.4	0.8	...	3.5
„ 27,.....	...	...	...	...	...	0.1	...	...	...	0.3	0.6	0.6	...	1.6
„ 28,.....	...	...	0.3	...	0.2	0.3	0.1	0.1	...	...	...	...	...	1.0
„ 29,.....	...	0.3	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.5
„ 30,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.2	...	9.2
„ 31,.....	...	0.1	0.2	0.2	0.2	0.1	0.3	0.4	0.6	0.9	1.0	0.1	...	4.1
Sums,.....	...	2.6	8.6	9.7	10.2	12.9	12.6	10.8	13.2	13.1	12.3	5.5	...	111.5

TABLE VI.

RAINFALL FOR THE MONTH OF MARCH, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
March 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.005	0.005	0.015	4
" 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
" 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
" 5,	...	...	...	...	0.005	0.015	0.015	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.045	6
" 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 7,	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	4
" 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.010	...	...	...	...	...	...	...	...	0.015	1
" 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
" 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
" 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
" 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	0.005	...	...	...	...	...	0.010	7
" 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.005	...	...	...	0.010	2
" 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
" 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 26,	...	...	0.020	0.025	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.055	4
" 27,	...	...	...	...	...	...	...	0.005	0.005	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.015	8
" 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
" 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	...	0.020	0.025	0.020	0.015	0.015	0.015	0.005	0.005	...	...	...	...	0.005	0.010	0.005	...	0.005	0.005	0.005	0.005	0.005	0.005	0.170	55

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF MARCH, 1898.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Mar. 1	...	0	...	1	...	0	11	3	8	6	9	5	9	4	7	6	7	8	7	11	7	20	8	26	7	26	7	26	7	24	7	26	7	26	7	25	8	23	7	24	8	23	7	26	7	32	7	31	402	16.7	7
„ 2	7	32	7	31	7	32	7	37	7	33	7	35	7	38	7	36	7	34	7	39	7	38	7	33	7	31	7	25	8	26	8	33	8	29	8	31	7	32	7	31	7	31	7	26	6	28	7	26	767	32.0	7
„ 3	7	24	7	29	7	29	7	30	7	28	7	28	7	28	7	29	8	26	7	25	7	24	7	25	8	21	8	22	8	25	9	25	9	26	9	25	9	22	9	21	9	21	9	22	9	24	8	24	603	25.1	8
„ 4	9	24	8	21	9	25	8	20	8	18	8	21	9	23	9	24	9	27	9	25	9	22	9	20	8	20	8	26	8	25	9	26	7	21	8	22	8	20	9	17	9	18	9	20	7	20	7	18	523	21.8	8
„ 5	9	19	9	13	30	12	25	9	1	5	32	8	30	5	31	8	31	4	2	7	1	10	1	6	32	11	32	13	1	3	32	7	1	8	32	9	32	7	1	8	2	7	4	16	5	18	5	21	234	9.7	2
„ 6	4	19	4	19	5	17	4	20	4	18	6	20	6	23	5	24	6	21	6	22	7	23	7	30	6	31	6	31	7	29	7	27	7	27	7	24	7	20	7	23	6	20	6	18	7	19	6	26	551	23.0	6
„ 7	7	27	7	25	7	21	7	25	7	21	8	19	5	19	7	17	7	20	8	22	8	25	7	21	7	21	9	18	8	20	8	20	8	18	9	15	8	15	8	17	7	20	8	22	8	24	8	22	494	20.6	8
„ 8	7	17	9	18	10	16	8	15	9	15	8	14	8	16	8	17	8	17	8	18	9	20	9	19	9	20	9	20	9	23	9	20	9	22	8	21	8	23	8	23	7	27	7	25	8	26	8	30	482	20.1	8
„ 9	8	25	9	25	9	25	8	26	7	23	7	18	7	20	7	22	8	24	7	28	7	14	10	6	26	20	28	18	1	10	32	9	32	13	1	10	32	14	1	6	2	7	32	8	3	6	32	6	383	16.0	6
„ 10	32	4	2	5	32	11	32	12	2	4	32	4	32	4	2	2	11	7	8	10	7	10	8	10	11	12	10	14	10	13	8	13	7	13	8	15	7	17	8	18	7	20	7	15	8	18	8	24	275	11.5	7
„ 11	7	30	7	25	7	23	7	26	6	24	7	18	7	18	7	15	8	11	9	10	11	10	11	11	11	8	11	10	9	6	9	6	9	17	10	17	7	13	7	13	6	17	6	16	6	17	5	17	378	15.7	7
„ 12	5	17	7	17	7	16	7	16	6	9	9	14	8	11	9	9	10	12	10	10	10	12	9	15	9	12	8	10	8	13	4	10	23	6	32	8	8	12	8	8	1	12	32	18	2	17	32	9	293	12.2	6
„ 13	2	7	32	8	32	11	29	9	30	6	30	5	32	6	32	5	32	8	24	7	21	9	23	8	22	7	20	4	11	7	4	3	27	7	11	10	10	12	6	8	6	4	10	5	7	15	7	20	191	8.0	3
„ 14	6	18	7	16	7	15	7	14	8	15	6	14	5	11	4	10	4	9	7	14	8	14	11	7	10	9	9	12	9	16	9	19	9	18	7	17	7	16	7	15	7	16	6	21	6	18	7	20	354	14.7	7
„ 15	8	17	7	15	7	12	8	8	7	7	5	7	5	4	6	6	10	7	11	5	23	5	24	7	22	4	26	7	28	7	29	9	27	5	27	3	27	3	...	0	...	0	6	5	9	12	9	10	165	6.9	6
„ 16	9	9	9	12	9	11	10	9	10	11	7	10	8	7	8	7	8	11	8	10	9	13	9	10	8	18	8	17	8	18	8	18	8	14	8	14	9	9	8	7	9	7	8	7	9	7	8	5	261	10.9	8
„ 17	8	5	9	9	9	8	11	9	10	9	10	11	9	10	8	14	9	16	9	18	8	26	6	24	7	22	7	18	7	18	8	20	9	17	9	15	9	11	9	10	9	13	9	12	9	11	9	10	336	14.0	8
„ 18	8	5	...	1	9	14	8	19	8	18	8	17	8	16	7	12	8	14	7	16	7	15	7	13	8	14	8	11	5	9	24	11	24	12	25	12	27	13	27	12	26	3	...	1	26	3	9	3	264	11.0	7
„ 19	...	0	...	1	9	4	9	2	...	1	9	2	2	4	...	1	...	0	3	2	...	0	26	2	14	2	19	2	22	4	7	7	8	16	8	14	9	9	9	6	9	4	9	5	7	13	8	11	112	4.7	8
„ 20	9	14	8	14	8	22	8	23	9	23	7	23	7	24	7	25	7	22	7	24	7	30	7	27	7	25	8	27	7	27	7	27	7	29	7	26	7	21	7	23	7	22	7	26	7	22	9	18	564	23.5	7
„ 21	8	15	8	20	9	22	9	21	8	21	8	21	7	22	7	23	7	22	7	21	8	20	8	22	8	19	8	18	8	20	8	20	8	19	7	21	8	22	7	23	7	22	7	25	7	30	7	28	517	21.5	8
„ 22	7	30	7	30	7	30	7	30	7	32	7	34	7	34	7	34	7	35	7	33	7	30	6	30	6	27	7	22	6	21	7	22	7	23	7	21	6	21	6	23	6	21	6	20	6	19	6	21	643	26.8	7
„ 23	6	20	7	19	7	17	7	17	10	19	8	19	9	19	9	21	9	19	9	13	10	14	9	15	9	12	24	6	27	5	26	7	24	3	...	0	...	1	...	1	6	3	6	3	4	3	2	4	260	10.8	8
„ 24	2	3	...	1	...	1	2	4	28	6	25	6	25	7	25	8	24	7	23	7	28	9	10	16	9	17	9	16	9	17	8	19	7	20	7	16	7	12	8	12	7	12	8	12	8	12	10	14	254	10.6	8
„ 25	6	12	8	14	9	14	10	14	10	11	9	18	8	17	8	20	6	11	6	15	5	18	7	18	10	20	9	19	9	18	9	18	9	18	9	21	9	16	9	15	9	15	9	15	9	19	9	13	389	16.2	8
„ 26	9	14	9	13	8	12	9	11	9	8	8	13	8	12	8	13	8	8	8	9	8	7	10	4	29	4	28	6	29	3	...	1	5	8	6	12	6	17	7	17	7	16	7	15	7	16	7	12	251	10.5	7
„ 27	9	12	9	14	9	10	9	8	8	9	8	12	8	8	8	9	7	19	5	23	6	23	7	21	7	20	6	20	6	19	7	19	7	17	7	17	7	17	7	16	6	19	6	20	5	22	7	19	393	16.4	7
„ 28	7	20	7	21	8	22	8	23	7	22	7	24	7	23	8	26	8	26	8	26	8	23	8	25	9	21	9	22	8	22	9	20	9	16	9	16	8	17	9	17	9	16	8	14	9	15	8	14	491	20.5	8
„ 29	9	17	9	16	9	18	10	17	9	17	9	18	8	23	8	23	7	22	8	22	6	23	6	21	7	18	7	18	7	18	7	15	8	12	8	10	6	6	6	4	...	1	6	4	...	1	...	1	345	14.4	8
„ 30	8	3	8	3	8	5	8	7	8	10	8	14	8	18	8	18	8	18	7	17	8	16	8	18	8	17	8	17	8	15	8	12	7	12	8	6	6	8	6	12	6	4	6	3	7	6	8	8	267	11.1	8
„ 31	8	8	8	8	8	8	8	8	8	8	8	4	8	2	8	2	13	2	15	3	15	8	15	8	16	6	20	7	17	7	18	7	16	6	18	3	28	3	28	2	...	1	28	3	29	5	29	5	124	5.2	13
Sums	...	467	...	464	...	483	...	492	...	457	...	476	...	476	...	486	...	487	...	512	...	531	...	518	...	515	...	502	...	488	...	496	...	498	...	476	...	452	...	432	...	422	...	448	...	498	...	490	11566	481.9	...
Means	...	15.1	...	15.0	...	15.6	...	15.9	...	14.7	...	15.4	...	15.4	...	15.7	...	15.7	...	16.5	...	17.1	...	16.7	...	16.6	...	16.2	...	15.7	...	16.0	...	16.1	...	15.4	...	14.6	...	13.9	...	13.6	...	14.5	...	16.1	...	15.8	373.1	15.5	...

21st 2p.—31st Midt. Roof of Observatory under repair. Values approximate. Anemograms corrected by half-hourly observations.

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
Mar. 1, ...	10	str-cum.	...	5	cum.	SSE	7	sm-cum.	SE	0	...	...
„ 2, ...	10	cum-nim.	...	10	cum-nim.	...	5	sm-cum. / cum.	E	9	sm-cum. / cum.	WNW / E
„ 3, ...	10	cum-nim.	...	10	cum-nim.	...	10	str-cum.	E	10	str.	...
„ 4, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	str.	...
„ 5, ...	10	cum-nim.	...	10	nim.	...	10	nim.	...	10	str-cum.	...
„ 6, ...	10	str-cum.	...	10	cum-nim.	...	10	str-cum.	ENE	10	str-cum.	ENE
„ 7, ...	10	str-cum.	...	10	nim.	...	10	nim.	...	10	str-cum.	E
„ 8, ...	10	str-cum.	ESE	10	str-cum.	ESE	10	str-cum.	E	10	str-cum.	E
„ 9, ...	10	str-cum.	ESE	10	str-cum.	E	10	str-cum.	E	8	sm-cum. / cum.	WSW / E
„ 10, ...	10	cum.	...	9	cum.	...	0	...	...	10	cum.	ESE
„ 11, ...	6	cum.	E	10	cum.	E	10	str-cum.	E	10	str-cum.	E
„ 12, ...	9	cum.	E	9	cum.	E	10	str-cum.	NNE	10	cum.	NNE
„ 13, ...	0	...	...	0	...	...	1	sm-cum.	...	1	sm-cum.	...
„ 14, ...	10	str-cum.	...	10	cum-nim.	...	10	str-cum.	ENE	10	str-cum.	NNE
„ 15, ...	3	cum.	E	10	str-cum.	E	10	cum.	NNE	0	...	...
„ 16, ...	0	...	...	0	...	...	0	...	...	1	cum.	...
„ 17, ...	10	str-cum.	ESE	10	str-cum.	ESE	10	cum.	E	9	sm-cum. / cum.	E
„ 18, ...	9	cum.	...	10	str-cum.	ESE	10	cum.	ESE	10	cum.	ESE
„ 19, ...	10	nim.	...	10	cum-nim.	...	10	cum-nim.	...	10	str.	...
„ 20, ...	10	cum-nim.	...	10	nim.	...	10	nim.	...	10	str-cum.	ESE
„ 21, ...	10	cum-nim.	...	10	cum-nim.	...	9	sm-cum. / str.	WSW / ESE	10	str. / cum.	ESE
„ 22, ...	10	cum-nim.	...	10	cum-nim.	...	10	cum.	E	10	str-cum.	E
„ 23, ...	8	cum.	E	7	cum.	E	10	str-cum.	...	10	str-cum.	...
„ 24, ...	6	cum.	ESE	0	...	...	0	...	...	1	cum.	...
„ 25, ...	10	str-cum.	E	10	str-cum.	ESE	10	str.	...	10	str-cum.	...
„ 26, ...	10	cum-nim.	...	10	nim.	...	10	nim.	...	9	str-cum.	SSW
„ 27, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	...
„ 28, ...	10	nim.	...	10	nim.	...	10	cum.	E	10	sm-cum. / cum.	SSW / E
„ 29, ...	9	cum.	...	10	cum.	...	1	sm-cum.	...	0	...	...
„ 30, ...	0	...	...	7	cum.	...	3	sm-cum. / cum.	...	1	cum.	...
„ 31, ...	0	...	...	10	str-cum.	...	9	sm-cum. / cum.	SSW	9	sm-cum. / cum.	SSW
Means,...	8.1	...	...	8.6	...	...	7.9	...	...	7.7	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
Mar. 1,...	10	nim./fog.	...	8	cum./cum.	SSE/E	7	cum.	E	9	cum.	ESE	7.0
„ 2,...	10	cum.	E	9	sm-cum./cum.	E	10	cum.	E	10	nim.	E	9.1
„ 3,...	10	nim.	...	10	nim./fog.	...	10	nim.	E	10	str-cum.	...	10.0
„ 4,...	9	str-cum.	...	7	cum./cum.	SW/E	8	cum.	SW	10	cum.	SW	9.3
„ 5,...	10	str-cum.	ENE	10	str-cum.	ENE	10	str-cum.	...	10	R-cum.	NE	10.0
„ 6,...	10	str-cum.	ENE	10	str-cum.	ENE	10	str-cum.	ENE	10	R-cum.	ENE	10.0
„ 7,...	10	str-cum.	E	10	str-cum.	E	10	R-cum.	E	10	str-cum.	E	10.0
„ 8,...	9	sm-cum.	SE	9	sm-cum./cum.	S/E	7	str-cum.	E	10	str-cum.	E	9.4
„ 9,...	10	cum.	...	10	str-cum.	...	10	nim.	...	10	str-cum.	...	9.8
„ 10,...	10	str-cum.	E	10	str-cum.	E	10	R-cum.	E	2	sm-cum./cum.	...	7.6
„ 11,...	10	str-cum.	E	10	str-cum.	E	8	sm-cum./cum.	E	9	sm-cum./cum.	E	9.1
„ 12,...	2	c-str.	SSW	0	...	...	0	...	...	1	cum.	...	5.1
„ 13,...	6	sm-cum.	NE	2	c-cum.	NE	0	...	...	9	str-cum.	...	2.4
„ 14,...	10	cum.	N	1	sm-cum.	...	0	...	...	0	...	...	6.4
„ 15,...	0	...	...	0	...	...	0	...	...	0	...	...	2.9
„ 16,...	1	cum.	...	2	sm-cum.	...	0	...	...	0	...	...	0.5
„ 17,...	3	cum.	E	10	cum.	ESE	7	sm-cum./cum.	E	10	str-cum.	...	8.6
„ 18,...	10	str-cum.	ESE	10	str-cum.	...	10	str-cum.	...	0	...	...	8.6
„ 19,...	9	c-cum./cum.	W/..	4	sm-cum.	...	1	sm-cum.	...	0	...	...	6.7
„ 20,...	9	cum.	ESE	10	str-cum.	E	10	nim.	...	10	nim.	...	9.9
„ 21,...	10	str./cum.	ESE	10	sm-cum./cum.	ESE	10	R-cum.	E	10	str-cum.	...	9.9
„ 22,...	9	str-cum.	E	9	str-cum.	...	8	cum.	...	10	str-cum.	...	9.5
„ 23,...	2	sm-cum.	...	9	sm-cum.	SSE	2	cum.	...	9	str-cum.	...	7.1
„ 24,...	1	cum.	...	0	...	...	0	...	...	0	...	...	1.0
„ 25,...	3	cum.	...	3	sm-cum.	S	10	str-cum.	...	3	cum.	...	7.4
„ 26,...	9	sm-cum.	SSW	9	sm-cum.	S	1	sm-cum.	...	8	cum.	...	8.3
„ 27,...	10	str-cum.	E	8	cum.	E	9	cum.	E	10	str-cum.	...	9.6
„ 28,...	8	sm-cum.	SSW	10	sm-cum.	SSW	9	sm-cum.	SW	10	sm-cum.	SW	9.6
„ 29,...	3	cum.	...	3	sm-cum.	...	0	...	...	0	...	...	3.3
„ 30,...	1	cum.	...	1	cum.	S	0	...	...	0	...	...	1.6
„ 31,...	6	cum.	SW	2	cum.	SSW	3	cum.	...	0	...	...	4.9
Means,...	7.1	...	...	6.6	...	...	5.8	...	...	6.1	...	...	7.2

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF MARCH, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	2.9	14.2	0.7	0.0	+ 2.2	+ 14.2	E 9° N
2 „	2.3	14.2	0.8	0.0	1.5	14.2	E 6° N
3 „	2.5	14.2	1.2	0.2	1.3	14.0	E 6° N
4 „	2.5	14.4	1.0	0.5	1.5	13.9	E 6° N
5 „	2.4	13.6	1.0	0.2	1.4	13.4	E 6° N
6 „	2.4	14.4	0.5	0.3	1.9	14.1	E 7° N
7 „	2.8	14.2	0.4	0.3	2.4	13.9	E 10° N
8 „	2.6	14.6	0.4	0.3	2.2	14.3	E 9° N
9 „	2.1	14.7	0.8	0.3	1.3	14.4	E 5° N
10 „	2.5	15.5	0.8	0.5	1.7	15.0	E 7° N
11 „	2.7	15.5	1.3	0.6	1.4	14.9	E 5° N
Noon.	2.3	15.4	1.5	0.5	0.8	14.9	E 3° N
1 p.	2.5	14.5	1.6	1.0	0.9	13.5	E 4° N
2 „	2.4	13.9	1.4	1.2	1.0	12.7	E 5° N
3 „	2.1	14.3	1.1	0.5	1.0	13.8	E 4° N
4 „	2.0	14.2	1.1	0.8	0.9	13.4	E 4° N
5 „	2.2	14.1	1.1	1.0	1.1	13.1	E 5° N
6 „	2.2	13.8	1.1	0.5	1.1	13.3	E 5° N
7 „	2.6	13.1	0.6	0.5	2.0	12.6	E 9° N
8 „	2.5	12.9	0.5	0.4	2.0	12.5	E 9° N
9 „	3.1	12.6	0.6	0.1	2.5	12.5	E 11° N
10 „	3.6	13.1	0.5	0.1	3.1	13.0	E 14° N
11 „	3.7	14.9	0.5	0.2	3.2	14.7	E 12° N
Midt.	3.1	14.6	0.5	0.1	+ 2.6	+ 14.5	E 10° N
Means, ...	2.6	14.2	0.9	0.4	+ 1.71	+ 13.78	E 7° N

PHENOMENA :—

Solar halo :—on the 12th.

Lunar corona :—on the 8th.

Fog :—on the 1st and 31st.

Slight fog :—on the 3rd, 4th, 16th, 26th and 30th.

Haze :—on the 15th, 23rd and 31st.

Unusual Visibility :—on the 10th and 13th.

Dew :—on the 15th, 16th, 29th, 30th and 31st.

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF APRIL, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Apl. 1,...	29.750	29.745	29.743	29.742	29.751	29.777	29.791	29.806	29.813	29.812	29.795	29.774	29.745	29.723	29.710	29.706	29.707	29.722	29.741	29.761	29.789	29.809	29.813	29.837	29.765
„ 2,...	.823	.827	.822	.821	.827	.844	.878	.901	.917	.914	.898	.867	.835	.824	.813	.811	.824	.825	.831	.864	.905	.922	.919	.915	.859
„ 3,...	.910	.886	.864	.856	.869	.894	.912	.924	.956	.972	.969	.952	.929	.911	.900	.903	.910	.927	.946	.967	.990	30.005	30.008	.999	.932
„ 4,...	.986	.970	.963	.957	.968	.985	.998	30.021	30.021	30.018	.987	.968	.939	.908	.889	.874	.875	.881	.894	.913	.935	29.939	29.937	.934	.948
„ 5,...	.915	.904	.886	.870	.874	.881	.888	29.905	29.901	29.912	.900	.902	.879	.858	.831	.828	.833	.840	.863	.892	.914	.931	.933	.921	.886
„ 6,...	.919	.908	.902	.894	.899	.908	.936	.956	.963	.971	.953	.942	.917	.888	.884	.873	.879	.896	.915	.937	.954	.965	.961	.950	.924
„ 7,...	.945	.941	.930	.917	.916	.920	.923	.935	.950	.944	.928	.922	.898	.865	.846	.840	.836	.842	.853	.870	.873	.889	.876	.880	.897
„ 8,...	.852	.845	.817	.820	.821	.832	.840	.861	.863	.870	.859	.842	.812	.781	.762	.755	.760	.768	.779	.803	.829	.842	.839	.834	.820
„ 9,...	.821	.809	.792	.795	.813	.835	.855	.881	.890	.892	.891	.882	.871	.853	.849	.816	.831	.860	.872	.896	.899	.921	.937	.944	.863
„ 10,...	.938	.885	.879	.914	.930	.940	.977	30.019	30.033	30.046	30.036	30.013	.995	.982	.982	.996	30.005	30.021	30.041	30.051	30.076	30.094	30.096	30.088	30.002
„ 11,...	30.074	30.064	30.060	30.054	30.058	30.065	30.088	.110	.117	.116	.110	.104	30.067	30.055	30.031	30.028	.032	.051	.058	.076	.085	.099	.097	.084	.074
„ 12,...	.073	.066	.060	.047	.060	.069	.082	.090	.095	.090	.082	.064	.039	.011	29.992	29.988	29.992	29.996	.011	.031	.047	.048	.054	.046	.047
„ 13,...	.025	.005	29.987	29.989	29.999	.021	.053	.065	.079	.074	.059	.041	.009	29.980	.956	.951	.951	.952	29.976	29.995	.016	.018	.010	29.987	.008
„ 14,...	29.965	29.948	.931	.946	.967	29.984	.020	.026	.031	.029	.014	.001	29.972	.940	.919	.917	.922	.922	.928	.943	29.951	29.959	29.956	.935	29.964
„ 15,...	.911	.897	.879	.883	.893	.894	29.908	29.921	29.946	29.958	29.951	29.937	.910	.887	.868	.861	.855	.856	.856	.868	.869	.871	.863	.851	.891
„ 16,...	.839	.830	.807	.807	.810	.827	.842	.873	.881	.881	.880	.855	.823	.795	.777	.771	.764	.771	.786	.796	.816	.825	.828	.824	.821
„ 17,...	.807	.780	.765	.756	.762	.782	.801	.823	.832	.844	.832	.817	.790	.760	.740	.729	.727	.734	.751	.767	.788	.806	.805	.790	.783
„ 18,...	.766	.740	.723	.726	.744	.759	.790	.808	.830	.834	.822	.809	.785	.757	.744	.739	.736	.751	.762	.777	.790	.807	.816	.806	.776
„ 19,...	.792	.767	.751	.742	.748	.766	.785	.822	.835	.835	.828	.820	.788	.763	.742	.733	.738	.744	.755	.772	.780	.796	.796	.791	.779
„ 20,...	.776	.763	.758	.758	.772	.791	.812	.816	.820	.815	.801	.779	.755	.727	.704	.684	.683	.687	.691	.698	.718	.738	.753	.747	.752
„ 21,...	.734	.723	.709	.726	.747	.770	.802	.817	.827	.814	.803	.810	.787	.768	.732	.735	.728	.741	.748	.755	.772	.781	.795	.774	.767
„ 22,...	.753	.745	.719	.718	.724	.726	.732	.731	.760	.759	.741	.728	.707	.683	.663	.670	.653	.671	.698	.732	.738	.784	.773	.764	.724
„ 23,...	.771	.776	.792	.772	.773	.772	.806	.832	.834	.826	.825	.825	.819	.807	.789	.763	.796	.809	.789	.781	.815	.843	.848	.857	.805
„ 24,...	.854	.852	.841	.834	.834	.841	.852	.867	.870	.881	.875	.860	.846	.830	.803	.792	.795	.812	.820	.826	.836	.837	.838	.840	.839
„ 25,...	.828	.820	.816	.820	.832	.847	.864	.878	.890	.892	.880	.877	.854	.832	.821	.810	.803	.811	.827	.848	.865	.878	.882	.878	.848
„ 26,...	.875	.870	.865	.864	.871	.877	.888	.893	.903	.903	.906	.891	.863	.839	.832	.817	.812	.827	.836	.867	.882	.888	.883	.884	.868
„ 27,...	.867	.844	.833	.815	.873	.844	.867	.886	.908	.907	.886	.881	.863	.852	.815	.808	.808	.824	.827	.831	.839	.858	.867	.867	.853
„ 28,...	.860	.844	.835	.828	.825	.838	.869	.891	.905	.901	.889	.879	.855	.833	.824	.821	.818	.832	.843	.870	.884	.899	.909	.906	.861
„ 29,...	.888	.875	.864	.851	.859	.871	.886	.893	.907	.910	.898	.877	.847	.833	.809	.800	.797	.809	.817	.829	.846	.856	.844	.826	.854
„ 30,...	.813	.784	.765	.750	.756	.767	.771	.788	.795	.800	.788	.784	.765	.733	.718	.708	.701	.700	.711	.731	.747	.758	.753	.739	.755
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,.....	29.871	29.857	29.845	29.842	29.852	29.864	29.884	29.901	29.912	29.914	29.903	29.890	29.865	29.843	29.825	29.818	29.819	29.829	29.841	29.858	29.875	29.889	29.890	29.883	29.865

TABLE II.

TEMPERATURE FOR THE MONTH OF APRIL, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
April 1,.....	72.3	71.7	71.5	71.2	71.1	70.5	71.1	73.7	74.5	76.2	79.5	80.0	81.0	81.8	81.0	79.0	77.4	76.0	75.8	74.9	74.1	73.8	72.7	69.3	75.0	82.3	69.3
„ 2,.....	67.0	67.1	66.7	66.5	66.8	66.6	66.5	66.8	67.8	68.1	70.6	70.0	71.5	70.5	70.2	69.8	69.1	68.4	69.0	69.6	69.2	69.2	68.6	68.2	68.5	72.0	66.5
„ 3,.....	67.7	67.3	67.6	66.9	67.1	67.1	67.5	67.7	66.8	66.2	66.0	65.4	66.0	66.0	67.0	66.7	65.5	65.6	65.5	65.8	64.6	64.2	63.5	62.9	66.1	68.3	62.3
„ 4,.....	61.9	62.2	61.2	61.6	60.5	59.8	60.5	59.9	61.4	62.6	65.0	64.7	64.8	66.0	66.6	65.5	64.5	64.2	64.3	64.5	64.5	64.7	64.8	64.9	63.4	66.6	59.6
„ 5,.....	65.0	64.8	64.9	64.7	65.2	64.8	65.0	65.2	65.2	65.8	66.0	66.8	66.3	66.8	67.8	68.0	67.5	66.5	65.8	66.2	66.2	66.1	66.2	65.5	65.9	69.2	64.4
„ 6,.....	65.2	63.5	63.1	62.3	62.9	62.8	63.4	63.0	64.5	63.8	64.8	65.0	64.9	64.8	64.5	63.8	63.8	63.9	63.7	63.7	62.8	61.5	61.5	61.5	63.5	66.0	61.5
„ 7,.....	61.6	61.0	61.4	61.4	60.5	61.7	62.7	62.7	63.2	63.1	64.8	62.7	62.8	62.7	62.8	62.8	62.7	62.5	63.1	63.3	63.5	63.6	63.0	62.0	62.6	64.8	60.5
„ 8,.....	61.7	62.4	62.0	62.3	62.6	62.6	62.1	62.8	63 0	63.2	63.8	64.1	64.2	64.6	65.0	65.0	65.0	65.5	66.0	66.4	66.4	66.5	66.5	66.9	64.2	66.9	61.2
„ 9,.....	66.5	66.7	67.1	67.3	67.4	67.6	67.5	67.9	67.5	68.6	68.4	68.9	70.5	68.5	69.2	70.1	70.5	69.8	69.3	68.5	68.3	67.6	66.4	66.0	68.2	70.5	65.9
„ 10,.....	64.8	65.1	62.1	61.7	61.2	59.9	59.8	60.2	60.7	59 8	60.3	62.2	63.4	64.6	64.8	63.8	64.4	64.1	64.1	64.0	63.2	63.0	62.4	62.2	62 6	68.0	59.2
„ 11,.....	62.0	61.0	60.0	59.8	58.9	59.7	60.7	62.8	64.8	66.6	66.2	67.3	66.6	66.5	66.0	65.4	65.1	64.5	63.8	63.5	63.5	63.4	63.5	63.7	63.6	69.0	57.9
„ 12,.....	63.5	62.6	62.6	62.2	62.1	62.0	63.7	65.8	67.1	67.4	68.5	68.6	68.5	68.7	68.8	68.2	67.6	66.5	66.1	66.7	65.9	66.0	66.5	65.2	65.9	69.0	61.1
„ 13,.....	64.8	64.3	64.9	65.0	64.6	64.6	65.8	67.5	69.4	70.2	70.8	70.7	70.8	71.2	71.7	70.4	69.8	68.7	68.3	67.5	67.5	67.5	67.3	67.2	67.9	72 0	63.8
„ 14,.....	67.3	67.2	67.5	67.5	66.9	67.1	68.0	69.6	71.6	72.8	72.1	72.5	72.5	71.1	70.5	70.6	70.0	69.5	69.5	69.4	69.2	69.3	69.7	69.2	69.6	73.6	66.6
„ 15,.....	69.3	69.0	68.5	67.8	67.5	*69.0	70.4	71.9	73.5	73.8	76.0	76.6	77.8	77.8	77.8	75.5	72.8	71.7	71.3	70.4	70.4	69.5	70.0	69.8	72.0	78.9	66.9
„ 16,.....	69.7	69.3	69.2	69.1	68.7	69.6	70.5	71.0	71.6	73.9	76.0	77.8	78.8	80.0	79.8	79.0	76.8	74.8	73 8	71.9	72.2	71.8	71.2	70.6	73.2	81.6	68.2
„ 17,.....	70.3	69.8	70.0	70.8	70.0	69.7	71.2	73.8	75.8	74.8	76.0	77.7	80.6	77.9	77.7	77.7	74.8	74.3	72.8	73.2	72.7	72.1	72.2	71.8	73.7	80.8	69.3
„ 18,.....	71.8	71.6	71.8	71.8	72.3	72.3	72.7	74.4	75.0	76.7	77.3	77.8	77.6	77.0	76.2	77.2	74.8	74.4	73.4	73.2	72.7	72.3	72.7	73.1	74.2	81 0	71.4
„ 19,.....	72.8	73.6	72.9	72.8	73.1	72.5	73.8	75.9	75.9	77.6	75.9	76.9	79.5	81.1	83.9	82.8	78.1	78.5	77.0	76.0	75.4	73.5	73.1	73.1	76.1	84.1	72.0
„ 20,.....	73.5	73.8	74.3	74.4	74.7	75.3	75.9	78.3	79.6	79.8	82.8	83.6	84.0	84.6	84.9	84.8	81.9	78.9	77.0	76.5	76.2	75.5	75.5	74.8	78.4	86.3	72.9
„ 21,.....	74.8	74.7	73.9	73.4	72.0	70.6	70.2	68.5	69.5	70.2	71.0	70.5	70.6	70.5	69.9	69.2	69.2	68.3	69.2	69.3	69.5	69.3	68.6	68.1	70.5	75.2	67.5
„ 22,.....	67.8	66.9	67.0	66.8	66.1	65.2	65.4	66.6	66.8	66.9	67.7	66.1	67.2	66.2	66.5	67.5	67.5	66.6	66.5	66.7	66.3	65.7	65.1	63.7	66.4	68.1	63.3
„ 23,.....	64.0	64.4	65.1	65.6	66.5	67.7	68.2	68.8	69.7	70.6	71.8	71.0	70.8	70.2	69.8	70.2	70.8	69.6	69.3	67.0	70.2	69.8	69.0	68.5	68.7	72.0	63.7
„ 24,.....	69.3	69.0	67.8	68.1	68.1	67.8	68.5	70.2	71.7	73.6	74.3	75.1	73.9	73.3	74.5	73.9	73.5	72.1	71.6	71.6	71.2	70.5	70.7	71.0	71.3	75.8	67.8
„ 25,.....	70.8	70.8	70.7	70.1	70.2	71.3	71.5	72.0	71.2	71.6	71.5	73.2	73.1	72.6	72.1	71.7	71.5	71.2	70.7	70.6	70.4	70.1	70.0	70.1	71.2	74.3	69.3
„ 26,.....	69.4	69.3	69.1	69.0	68.6	67.8	68.1	68.1	69.7	70.6	70.8	72.0	71.0	70.4	70.3	71.0	70.8	69.6	69.3	69.5	70.1	69.6	69.5	69.1	69.7	72.0	67 8
„ 27,.....	68.9	68.3	67.8	67.9	67.9	68.2	68.1	68.2	67.2	68 2	71.1	71.1	71.4	70.8	71.6	71.2	70.8	69.7	70.0	70.2	70.3	70.6	70.9	71.2	69.6	72.4	66.9
„ 28,.....	71.4	70.2	69.7	69.2	68.9	69.8	69.5	69.9	70.2	70.1	70.1	70.5	72.7	72.7	72.3	71.5	71.2	70.7	70.7	71.0	70.0	69.6	69.4	69 2	70.4	73.6	68.5
„ 29,.....	69.3	69.0	68.7	68.0	68.2	68.7	68.2	69.5	70.6	70.3	70.5	71.2	71.6	71.8	72.7	72.8	72.6	71.0	70.7	71.0	71.3	71.3	71.5	71.6	70.5	72.8	68.0
„ 30,.....	71.4	70.9	70.5	70.4	70.3	70.3	71.6	72.5	73.3	74.4	74.8	74 6	72.5	74.2	72.8	72.2	72.3	72.8	71.5	71.5	71.7	71.2	70.6	70.3	72.0	75.1	69.8
.....	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
Means, ...	67.9	67.6	67.3	67.2	67.0	67.1	67.6	68.5	69.3	69.9	70.8	71.2	71.6	71.5	71.6	71.2	70.4	69.7	69.3	69.1	69.0	68.6	68.4	68.0	69.2	73.4	65.8

* Interpolated.

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF APRIL, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
April 1, ...	71.8	71.3	71.1	70.9	70.8	69.9	70.2	72.2	71.7	72.9	74.6	74.1	73.9	74.2	73.6	74.2	73.0	72.5	72.8	72.4	71.8	72.0	71.8	68.6	72.2	130.0
„ 2, ...	66.4	66.0	65.6	65.6	65.6	65.2	64.9	65.0	65.1	65.6	66.5	66.5	66.4	66.0	64.8	65.4	65.5	65.8	66.1	65.7	66.8	66.8	66.6	66.3	65.8	125.7
„ 3, ...	66.2	65 0	64.8	64.7	65.1	65.5	65.4	65.6	64.9	64.8	63.6	62.3	61.8	61.2	62.4	61.6	61.9	61.8	61.5	61.3	60.0	59.6	58.5	58.3	62.8	94.8
„ 4, ...	57.5	57.8	57.5	58.7	57.4	56.8	57.4	56.8	57.6	58.1	59.5	59.4	59.6	60.1	60.8	60.6	60.9	61.3	60.8	60.8	61.0	61.3	61.5	61.5	59.4	116.9
„ 5, ...	61.9	61.9	61.6	61.5	62.0	60.8	61.6	62.3	61.9	62.0	62.2	62.6	62.7	62.8	62.9	63.5	63.5	62.8	62.9	62.4	62.8	62.8	62.5	62.6	62.4	124.0
„ 6, ...	62.5	61.0	60.5	60.4	60.5	59.4	58.9	58.3	60.1	60.2	60.6	60.6	60.8	61.0	60.8	60.6	60.8	60.7	60.7	60.6	60.8	60.7	61.0	60.9	60.5	87.7
„ 7, ...	60.5	59.5	59.4	59.3	59.4	59.3	59.6	59.8	60.3	61.0	60.8	60.4	59.4	59.2	58.9	58.6	58.6	58.7	59.4	59.6	59.8	60.0	59.6	60.4	59.6	89.6
„ 8, ...	60.5	61.0	61.2	61.5	61.5	61.4	61.5	61.8	62.5	62.6	62.8	63.2	63.3	63.6	63.8	63.8	64.3	64.6	64.9	65.2	65.4	65.9	65.8	66.0	63.3	116.4
„ 9, ...	66.0	66.0	66.6	66.8	67.0	67.0	67.0	67.7	67.1	68.2	67.7	67.5	67.9	66.2	66.5	66.4	64.3	63.8	62.7	61.0	61.2	61.5	60.3	59.6	65.2	116.2
„ 10, ...	60.4	60.1	59.7	59.4	59.4	59.5	58.5	57.9	57.7	58.2	57.6	58.6	57.5	58.1	58.8	56.9	58.1	58.0	58.2	57.5	58.5	58.5	58.7	58.6	58.5	90.3
„ 11, ...	57.6	57.0	56.2	55.9	54.9	54.4	55.3	56.0	57.0	56.8	58.2	59.6	58.1	57.5	58.3	57.9	58.8	58.1	57.3	57.1	56.4	57.1	57.0	56.6	57.0	122.7
„ 12, ...	56.7	56.2	55 0	55.0	54.9	54.8	54.9	56.0	56.7	56.4	57.6	56.8	57.1	58.1	58.6	58.1	57.5	57.4	58.1	59.4	59.5	60.0	60.6	60.0	57.3	121.6
„ 13, ...	59.8	60.0	60.1	60.6	59.5	59.2	59.4	59.5	59.8	60.2	61.5	61.0	61.8	61.8	61.2	61.8	61.8	61.7	62.4	63.2	63.0	62.5	62.7	62.6	61.1	123.9
„ 14, ...	63.5	63.1	62.2	61.0	61.6	62.3	63.2	62.5	61.4	59.6	60.8	60.6	60.4	60.3	62.7	61.8	63.0	62.7	62.5	63.4	63.5	63.8	64.5	64.6	62.3	114.1
„ 15, ...	65.1	65.3	65.5	65.1	65.0	64.7	66.0	65.9	67.6	67.6	69.8	70.5	70.8	71.5	70.8	69.8	68.8	68.6	69.0	68.5	68.7	68.0	68.5	68.3	67.9	136.0
„ 16, ...	68.3	68.4	67.8	68.3	68.4	68.4	69.5	69.4	69.5	70.4	69.8	71.5	71.3	71.4	71.6	71.0	69.8	69.6	69.5	68.8	69.5	69.5	69.5	69.0	69.6	139.3
„ 17, ...	68.9	68.7	68.8	69.4	69.0	68.9	69.7	70.9	71.6	70.7	70.5	70.9	72.0	71.3	71.1	71.0	69.7	70.0	69.6	68.8	69.5	69.6	69.9	69.6	70.0	140.4
„ 18, ...	69.6	69.7	70.1	70.3	70.8	70.7	71.5	72.2	72.7	73.4	73.6	73.6	73.6	73.1	72.9	73.6	72.5	72.3	72.1	72.3	71.7	71.7	72.0	72.2	72.0	141.7
„ 19, ...	72.3	72.1	72.4	72.2	72.2	72.1	72.8	73.3	73.3	73.5	73.3	73.6	73.8	73.5	73.6	73.8	72.9	73.4	73.1	73.1	73.0	72.1	72.0	72.2	72.9	139.0
„ 20, ...	72.2	72 5	72.7	72.5	73.2	73.2	73.8	74.8	74.8	74.8	75.8	76.1	76.1	75.9	76.1	76.2	75.2	74.8	74.1	74.0	74.0	73.6	73.8	73.6	74.3	135.6
„ 21, ...	74.0	73.7	73.0	71.5	70.4	68.9	68.1	66.5	65.6	66.0	66.7	66.7	65.9	65.0	65.0	64.6	65.0	65.6	65.5	64.1	64.6	64.4	64.1	64.2	67.0	113.6
„ 22, ...	64.4	64 0	64.6	64.5	64.2	63.8	63.1	63.6	63.5	64.3	64.8	64.8	66.8	66.0	66.1	66.4	65.9	65.2	64.7	65.1	65.6	65.5	64.9	63.5	64.8	90.5
„ 23, ...	63.9	64.0	64.5	64.8	65.6	66.8	67.6	68.2	69.1	66.3	66.9	67.6	67.1	66.9	67.5	67.9	67.9	68.4	68.2	65.6	68.0	68.3	67.8	67.4	66.9	137.4
„ 24, ...	67.5	67.1	67.2	67.0	67.0	66.6	66.8	67.8	68.1	68.8	69.2	69.1	68.9	68.1	69.5	69.0	68.4	68.1	68.0	68.0	68.2	68.3	68.6	68.7	68.1	124.5
„ 25, ...	68.8	68.7	68.7	68.9	68.9	69.1	69.3	69.4	69.2	69.0	68.5	68.3	68.3	67.8	67.0	67.4	67.3	67.3	66.5	66.4	66.5	66.2	66.1	65.6	67.9	136.0
„ 26, ...	65.4	65.0	64.7	64.7	64.6	63.9	63.3	63.3	63.5	63.8	63.5	63.6	64.3	64.2	65.5	65.4	65.4	65.2	66.0	65.8	67.0	67.3	67.1	66.4	65.0	125.6
„ 27, ...	66.2	66.2	65.7	65.3	65.5	65.2	64.4	64.0	63.9	65.0	66.0	66.2	67.2	66.7	66.6	66.7	66.8	66.3	66.5	66.4	67.3	68.0	68.5	69.1	66.2	125.1
„ 28, ...	69.2	69.0	68.7	68.4	67.5	67.2	67.2	67.3	67.7	67.1	66.8	67.3	67.8	67.5	66.9	66.8	68.2	67.7	67.8	68.3	68.0	67.6	67.8	67.5	67.7	137.5
„ 29, ...	67.2	66.6	66 3	65.6	65.4	65.5	65.6	66.2	66.2	65.9	65·8	66.6	66.6	66.4	67.3	67.0	66.9	66.8	67.1	67.3	67.0	68.0	68.6	68.6	66.7	127.8
„ 30, ...	68.9	68.6	68.4	68.2	68.0	68.5	68.8	68.9	69.5	70.3	70.8	71.7	71.6	71.4	70.5	69.8	69.8	70.1	69.6	69.3	69.3	68.4	67.2	67.1	69.4	123.1
.....	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	65.4	65.2	65.0	64.9	64.8	64.6	64.8	65.1	65.3	65.5	65.9	66.0	66.1	65.9	66.1	65.9	65.7	65.6	65.6	65.4	65.6	65.6	65.6	65.3	65.5	121.6

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF APRIL, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	87	0.601	April 1,.....	87	0.754
2 „	87	.598	„ 2,.....	86	.600
3 „	88	.595	„ 3,.....	82	.529
4 „	88	.593	„ 4,.....	78	.455
5 „	88	.592	„ 5,.....	81	.519
6 „	87	.584	„ 6,.....	83	.489
7 „	86	.584	„ 7,.....	83	.472
8 „	83	.583	„ 8,.....	95	.572
9 „	80	.579	„ 9,.....	85	.583
10 „	78	.578	„ 10,.....	77	.438
11 „	76	.580	„ 11,.....	65	.379
Noon.	75	.578	„ 12,.....	56	.358
1 p.	73	.576	„ 13,.....	66	.449
2 „	73	.571	„ 14,.....	64	.466
3 „	73	.576	„ 15,.....	80	.629
4 „	74	.575	„ 16,.....	83	.677
5 „	77	.579	„ 17,.....	82	.685
6 „	80	.584	„ 18,.....	89	.757
7 „	81	.589	„ 19,.....	85	.768
8 „	81	.585	„ 20,.....	82	.794
9 „	83	.594	„ 21,.....	83	.616
10 „	85	.599	„ 22,.....	91	.593
11 „	86	.601	„ 23,.....	91	.637
Midt.	86	.596	„ 24,.....	84	.646
			„ 25,.....	84	.639
			„ 26,.....	76	.556
			„ 27,.....	83	.600
			„ 28,.....	87	.643
			„ 29,.....	81	.606
			„ 30,.....	87	.685
			.....	...	.....
Means,.....	81	0.586	Means.	81	0.586

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
April 1,.....	...	...	...	0.3	0.4	0.8	0.8	0.5	0.2	0.1	0.3	...	...	3.4
„ 2,.....	...	...	...	...	...	0.7	0.6	0.8	0.9	1.0	0.8	0.1	...	4.9
„ 3,.....	...	...	0.1	...	...	...	...	...	...	...	...	...	...	0.1
„ 4,.....	...	...	...	0.4	0.6	...	...	...	...	...	...	...	...	1.0
„ 5,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,.....	...	...	...	...	...	...	...	...	0.1	0.1	...	...	...	0.2
„ 9,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.7
„ 12,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.8
„ 13,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.0
„ 14,.....	...	...	...	...	0.1	0.1	0.1	...	...	...	...	...	...	0.3
„ 15,.....	...	...	0.6	0.9	...	0.3	0.4	0.8	1.0	0.6	0.8	...	...	5.4
„ 16,.....	...	0.1	...	...	0.5	0.7	1.0	0.9	1.0	1.0	1.0	0.3	...	6.5
„ 17,.....	...	...	0.8	1.0	0.3	0.1	1.0	1.0	1.0	0.4	0.6	1.0	0.1	7.3
„ 18,.....	...	...	0.1	...	0.7	0.8	0.7	0.7	0.9	1.0	0.8	0.6	0.2	6.5
„ 19,.....	...	0.2	0.6	0.5	0.4	0.1	...	0.6	0.8	0.9	0.6	0.9	0.3	5.9
„ 20,.....	...	0.3	1.0	1.0	0.9	1.0	1.0	1.0	0.9	1.0	1.0	0.7	...	9.8
„ 21,.....	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.1
„ 22,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,.....	...	...	...	0.2	...	0.3	0.1	...	...	...	...	...	...	0.6
„ 24,.....	...	...	0.5	0.8	0.2	...	...	...	...	0.7	0.6	...	...	2.8
„ 25,.....	...	...	...	...	...	...	0.6	1.0	0.5	...	...	...	...	2.1
„ 26,.....	...	...	0.4	1.0	1.0	1.0	1.0	0.9	0.1	0.9	0.7	0.7	...	7.7
„ 27,.....	...	...	...	...	...	0.2	...	...	0.1	0.6	0.2	..	...	1.1
„ 28,.....	...	...	...	...	...	...	...	0.5	0.8	0.6	0.2	...	...	2.1
„ 29,.....	...	...	...	...	...	...	0.2	0.5	...	0.1	0.3	0.4	0.1	1.6
„ 30,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,.....	...	1.5	7.1	9.1	8.1	9.1	10.5	12.2	11.4	12.0	10.9	6.3	0.7	98.9

TABLE VI.

RAINFALL FOR THE MONTH OF APRIL, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
April 1,	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	1
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.010	0.005	...	0.020	3
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
„ 8,	...	...	...	0.005	...	0.005	0.005	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	11
„ 9,	...	...	...	0.010	...	...	...	0.005	0.005	...	...	...	...	0.020	...	...	...	...	...	...	...	...	...	...	0.040	10
„ 10,	...	0.025	0.020	0.135	0.370	0.080	0.120	0.050	0.130	0.055	0.025	...	...	...	...	...	...	...	...	...	...	...	...	...	1.010	8
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	0.005	0.020	0.025	0.005	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.055	9
„ 22,	...	...	0.015	0.005	0.005	0.030	0.010	0.010	0.005	...	...	0.015	0.015	0.015	0.015	0.035	0.010	0.030	0.040	0.040	0.270	0.300	0.500	0.280	1.645	20
„ 23,	0.205	0.230	0.135	0.005	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.005	...	...	...	...	...	...	0.590	9
„ 24,	...	...	0.015	0.010	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.035	5
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	...	...	...	...	...	...	...	0.010	2
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	0.005	0.010	7
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Sums,	0.205	0.255	0.185	0.170	0.395	0.135	0.160	0.070	0.140	0.060	0.025	0.015	0.015	0.035	0.015	0.035	0.030	0.035	0.040	0.040	0.275	0.315	0.505	0.285	3.440	95

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF APRIL, 1898.

Date	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
April 1,	30	6	29	2	...	1	6	6	6	10	6	5	...	0	...	0	...	0	...	1	28	3	27	7	23	6	23	4	19	5	16	7	15	7	15	7	15	5	15	4	8	5	8	11	8	18	7	26	146	6.1	9
" 2,	7	28	8	28	8	28	8	28	8	28	8	28	7	28	6	28	6	26	6	26	6	24	6	19	7	21	6	20	8	21	8	20	9	18	8	21	7	18	5	21	6	17	6	19	4	18	5	18	551	23.0	7
" 3,	6	19	6	21	8	21	9	21	9	20	8	19	8	19	8	20	7	19	6	18	6	16	6	22	6	24	6	22	5	17	4	17	5	14	7	15	8	17	7	18	6	22	6	23	5	21	2	15	460	19.2	6
" 4,	3	18	3	17	2	15	3	15	2	11	1	10	2	4	1	7	1	8	2	7	5	9	9	16	9	17	8	18	7	13	6	14	5	13	6	12	8	14	8	13	8	12	6	12	7	13	6	11	299	12.5	5
" 5,	5	12	5	15	4	15	3	11	6	17	6	17	7	14	8	14	7	18	7	17	7	12	8	12	7	14	6	12	7	11	7	12	7	11	7	13	8	13	6	13	8	8	8	11	7	12	6	13	317	13.2	6
" 6,	4	13	5	14	3	16	5	13	6	9	4	10	3	15	2	12	2	14	4	11	5	20	6	22	6	17	6	17	6	15	6	15	5	17	6	17	5	10	4	4	8	5	8	2	4	2	4	6	296	12.3	5
" 7,	1	11	1	8	1	9	1	12	1	13	2	13	3	15	5	16	5	21	4	20	4	20	4	21	5	23	5	23	6	23	6	25	5	26	6	28	7	31	7	34	6	37	6	38	6	39	6	37	543	22.6	5
" 8,	6	37	5	37	6	36	6	32	5	31	5	29	6	27	6	27	6	26	5	24	6	26	6	25	7	26	8	24	8	23	7	24	8	25	8	25	6	26	5	24	6	20	6	20	6	19	6	19	632	26.3	6
" 9,	6	18	6	17	7	19	6	17	6	8	...	1	19	6	20	6	22	7	...	1	22	3	22	3	22	3	24	9	25	6	31	9	1	11	32	8	32	7	1	12	2	9	2	13	32	14	1	16	223	9.3	2
" 10,	2	11	5	15	4	12	2	11	2	10	30	6	2	10	2	5	2	2	31	5	31	7	1	13	1	16	2	17	32	14	3	13	3	10	3	14	5	13	4	16	5	15	5	12	4	12	6	17	276	11.5	3
" 11,	4	12	3	10	2	5	2	4	2	5	2	5	32	9	32	9	4	4	5	7	8	14	9	16	8	18	8	18	8	19	9	17	8	16	8	16	7	16	7	13	8	18	7	17	7	17	8	20	305	12.7	7
" 12,	8	19	7	16	7	13	8	12	7	14	6	13	7	13	8	13	8	15	8	16	8	18	8	18	10	18	10	18	9	18	6	19	8	18	6	18	8	14	8	10	8	14	7	20	8	19	8	19	385	16.0	8
" 13,	8	20	8	21	8	21	8	20	8	20	6	18	8	18	8	18	8	18	10	19	8	19	8	19	10	20	10	21	10	19	9	19	8	15	8	12	7	12	7	9	7	7	7	3	7	5	10	7	380	15.8	8
" 14,	11	8	11	10	11	12	10	11	8	7	8	6	8	4	8	4	9	9	9	13	9	16	10	13	10	16	9	17	9	14	9	15	9	11	11	12	10	12	12	12	8	12	11	6	11	7	11	8	255	10.6	10
" 15,	5	7	9	6	...	1	...	0	6	2	6	3	6	3	9	9	8	13	7	8	7	3	22	3	23	3	30	5	30	5	32	5	30	3	6	2	4	3	29	2	...	1	...	1	...	0	...	1	89	3.7	5
" 16,	...	1	...	0	...	1	...	1	...	1	6	6	...	1	...	1	...	0	25	4	25	7	25	8	25	7	27	7	27	6	27	6	15	8	15	8	15	3	...	1	...	1	15	2	...	1	...	0	81	3.4	23
" 17,	...	0	15	2	...	1	15	2	.	0	...	0	15	2	9	5	9	8	9	11	9	8	9	7	10	6	10	8	5	8	9	14	9	12	10	8	10	9	10	8	8	9	9	6	8	7	8	8	149	6.2	9
" 18,	8	6	8	5	9	9	9	7	9	5	9	6	9	3	9	9	9	9	9	11	7	12	7	11	8	14	8	13	8	15	7	17	8	12	8	12	8	10	8	7	8	9	8	5	7	4	7	5	216	9.0	8
" 19,	7	4	7	5	7	8	7	4	7	5	8	8	8	4	8	5	8	7	8	7	8	7	7	4	6	3	7	2	19	4	23	2	8	3	15	6	11	4	11	2	...	1	...	1	15	2	15	2	100	4.2	9
" 20,	23	2	23	3	...	1	...	0	...	0	...	1	...	1	19	2	27	9	28	8	23	11	23	10	23	11	23	9	23	9	23	9	24	5	18	3	19	4	13	4	1	5	32	2	32	2	29	6	117	4.9	24
" 21,	29	4	29	5	29	4	6	19	6	32	7	30	7	32	7	32	7	30	6	34	7	32	6	33	6	35	7	32	7	36	7	37	7	37	7	37	7	38	7	37	7	35	7	38	6	40	7	40	729	30.4	7
" 22,	8	43	7	41	7	37	6	36	7	41	7	42	7	46	7	44	7	42	8	44	7	44	7	42	8	42	7	38	8	42	8	42	7	41	7	39	7	39	6	42	6	38	5	34	5	27	5	31	957	39.9	7
" 23,	8	30	7	17	7	19	8	18	9	16	9	14	8	17	7	17	7	22	7	23	7	23	9	24	9	18	9	16	10	11	11	7	...	1	...	1	11	6	8	16	8	13	7	10	7	16	7	14	369	15.4	8
" 24,	5	12	7	13	8	7	6	8	6	7	6	2	...	1	6	2	8	4	8	4	8	6	10	7	9	8	8	5	9	6	10	6	10	9	9	9	10	10	10	11	10	13	9	12	7	10	6	10	182	7.6	8
" 25,	7	9	10	11	11	9	11	4	9	3	9	7	3	8	5	12	5	20	7	16	7	18	8	24	7	24	7	24	8	25	8	25	8	22	8	21	7	23	7	26	5	30	6	32	6	31	6	36	460	19.2	7
" 26,	6	34	6	34	6	34	6	32	6	35	7	35	7	30	7	34	7	33	7	33	6	33	6	31	7	34	6	30	7	25	7	24	6	21	7	22	6	23	6	24	6	25	6	26	6	23	6	22	697	29.0	6
" 27,	7	21	8	25	7	24	7	29	7	21	8	22	7	23	7	24	7	23	7	23	8	29	8	25	8	22	8	20	8	23	8	19	8	19	8	19	7	19	7	17	7	17	8	11	7	10	7	12	497	20.7	7
" 28,	6	13	8	15	8	15	7	20	7	19	7	21	6	17	7	17	7	17	7	23	7	22	7	23	7	28	7	25	7	29	7	25	7	28	7	26	7	24	7	25	7	28	7	28	7	28	6	25	541	22.5	7
" 29,	6	25	6	22	6	28	6	34	6	35	7	32	7	33	7	30	7	27	6	26	7	27	7	26	8	25	8	24	8	22	8	21	8	22	8	21	6	19	6	20	6	20	6	17	6	17	6	17	590	24.6	7
" 30,	7	15	8	21	7	16	8	19	8	14	8	11	8	10	9	10	9	12	9	9	9	8	27	7	24	8	22	14	25	15	24	12	26	6	25	5	25	5	29	3	28	4	24	4	...	0	...	1	229	9.5	7
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	458	...	456	...	437	...	446	...	439	...	420	...	413	...	432	...	463	...	469	...	497	...	511	...	527	...	512	...	499	...	497	...	461	...	457	...	447	...	448	...	450	...	436	...	434	...	462	11071	461.3	...
Means,	...	15.3	...	15.2	...	14.6	...	14.9	...	14.6	...	14.0	...	13.8	...	14.4	...	15.4	...	15.6	...	16.6	...	17.0	...	17.6	...	17.1	...	16.6	...	16.6	...	15.4	...	15.2	...	14.9	...	14.9	...	15.0	...	14.5	...	14.5	...	15.4	369.0	15.4	...

1st 1a.—13th 4p. inclusive. Roof of Observatory under repair. Values approximate. Anemograms corrected by half-hourly observations.

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
April 1, ...	9	sm-cum. / cum.	S	6	cum.	...	10	sm-cum. / cum.	...	8	cum.	SW
„ 2, ...	10	nim.	...	10	str-cum.	...	10	str.	...	10	cum-nim.	E
„ 3, ...	10	str.	...	10	str.	...	9	sm-cum. / cum.	...	10	nim.	E
„ 4, ...	10	str-cum.	...	10	R-cum.	...	10	cum-nim.	NNE	10	str-cum.	...
„ 5, ...	10	sm-cum. / cum.	...	10	str-cum.	...	10	cum.	ENE	10	str-cum.	ENE
„ 6, ...	10	nim.	...	10	cum-nim.	...	10	str-cum.	...	10	str-cum.	ENE
„ 7, ...	10	nim.	NE	10	R-cum.	NE	10	str-cum.	...	10	R-cum.	E
„ 8, ...	10	nim.	E	10	nim.	E	10	nim.	E	10	nim.	E
„ 9, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	...
„ 10, ...	10	cum-nim.	...	10	nim.	...	10	nim.	...	10	nim.	...
„ 11, ...	0	...	...	0	...	...	3	sm-cum. / cum.	ENE	1	cum.	ENE
„ 12, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 13, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 14, ...	0	...	...	10	sm-cum.	...	9	sm-cum.	...	9	sm-cum.	WSW
„ 15, ...	9	sm-cum.	...	9	sm-cum.	W	9	sm-cum.	WSW	10	str-cum.	...
„ 16, ...	7	cum.	...	9	cum.	...	9	sm-cum.	WSW	8	sm-cum.	W
„ 17, ...	0	...	...	9	sm-cum.	WSW	8	sm-cum.	WSW	8	sm-cum. / cum.	S
„ 18, ...	1	cum.	...	10	cum.	E	10	cum.	E	9	sm-cum. / cum.	E
„ 19, ...	9	cum.	E	7	cum.	E	6	sm-cum. / cum.	S	9	sm-cum. / R-cum.	WSW / S
„ 20, ...	9	cum.	...	10	str-cum.	...	7	sm-cum.	W	2	c-cum. / cum.	...
„ 21, ...	2	cum.	...	10	nim.	...	10	nim.	...	10	nim.	E
„ 22, ..	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	E
„ 23, ...	10	nim.	...	10	nim.	...	10	cum-nim.	E	10	sm-cum. / cum.	E
„ 24, ...	10	nim.	...	10	nim.	...	10	sm-cum. / cum-nim.	WSW / ..	10	str-cum.	E
„ 25, ...	9	cum.	ESE	10	str-cum.	...	10	cum.	E	10	str-cum.	E
„ 26, ...	10	cum-nim.	...	10	str-cum.	...	9	sm-cum. / cum.	S / E	1	sm-cum.	...
„ 27, ...	10	str-cum.	...	8	cum.	...	10	str-cum.	ESE	10	nim.	E
„ 28, ...	10	nim.	...	10	nim.	...	10	str-cum.	...	10	str-cum.	E
„ 29, ...	10	nim.	...	10	nim.	...	8	sm-cum. / cum.	ESE	10	sm-cum. / cum.	E
„ 30, ...	10	str-cum.	...	10	str-cum.	...	10	cum.	ESE	10	str-cum.	ESE
.....	...	...	...	...	...	...	...	...	...	...	...	...
Means,..	7.5	...	...	8.6	...	...	8.6	...	...	8.2	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
April 1,...	9	cum.	SW	8	cum.	SW	9	cum.	SW	9	str-cum.	SE	8.5
,, 2,...	7	cum.	ESE	9	c-cum. / cum.	E	10	str-cum.	E	6	cum.	E	9.0
,, 3,...	10	cum.	ENE	10	cum.	ENE	10	str-cum.	...	10	str-cum.	...	9.9
,, 4,...	10	cum.	...	10	str-cum.	...	10	str-cum.	...	10	str-cum.	...	10.0
,, 5,...	9	str-cum.	...	9	str-cum.	...	10	str-cum.	...	10	str-cum.	...	9.8
,, 6,...	10	str-cum.	ENE	10	str-cum.	ENE	10	str-cum.	...	10	nim.	...	10.0
,, 7,...	10	R-cum.	E	10	R-cum.	E	10	cum.	...	10	nim.	...	10.0
,, 8,...	10	nim.	E	10	cum-nim.	ESE	9	cum.	E	10	cum.	E	9.9
,, 9,...	10	nim.	...	10	str-cum.	...	10	str-cum.	...	10	R-cum.	...	10.0
,, 10,...	10	cum-nim.	NNE	10	cum-nim.	NNE	10	sm-cum.	...	0	...	...	8.7
,, 11,...	1	cum.	...	0	...	...	3	c-str.	...	3	c-str.	...	1.4
,, 12,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
,, 13,...	0	...	...	5	c-cum.	WSW	5	c-cum. / cum.	...	3	c-cum.	...	1.6
,, 14,...	10	sm-cum.	WSW	10	sm-cum.	W	9	sm-cum.	W	10	sm-cum.	...	8.4
,, 15,...	8	sm-cum. / cum.	...	7	sm-cum.	W	7	sm-cum.	W	5	sm-cum.	...	8.0
,, 16,...	6	sm-cum. / cum.	...	8	c-cum. / sm-cum. / cum.	.. / WSW / ..	6	c-cum. / cum.	WSW / ..	2	c-cum. / cum.	...	6.9
,, 17,...	8	c-cum. / cum.	W / S	9	c-cum. / cum.	WSW	0	...	...	1	cum.	...	5.4
,, 18,...	6	c-cum. / cum.	ESE	4	c-cum. / cum.	SE	0	...	...	3	cum.	...	5.4
,, 19,...	7	cum.	SW	9	sm-cum. / cum.	SSW	7	sm-cum. / cum.	S	0	...	...	6.8
,, 20,...	1	cum.	...	1	c-cum.	...	3	c-cum.	...	2	c-cum.	...	4.4
,, 21,...	10	sm-cum. / cum.	E	10	str-cum.	E	10	str-cum.	E	10	str-cum.	...	9.0
,, 22,...	10	nim.	E	10	nim.	E	10	nim.	E	10	nim.	...	10.0
,, 23,...	10	cum-nim.	E	10	nim.	...	10	str-cum.	...	10	nim.	...	10.0
,, 24,...	10	str-cum.	...	8	c-cum. / sm-cum.	WSW	8	sm-cum. / cum.	E	6	sm-cum.	...	9.0
,, 25,...	4	c-cum. / sm-cum.	...	9	sm-cum. / cum.	WSW / E	9	sm-cum. / cum.	E	10	cum.	E	8.9
,, 26,...	7	sm-cum. / cum.	E	8	sm-cum.	WSW	10	sm-cum. / cum.	WSW / ..	9	nim.	E	8.0
,, 27,...	10	sm-cum. / cum.	...	10	sm-cum.	WSW	10	sm-cum. / cum.	E	10	sm-cum. / cum.	E	9.7
,, 28,...	9	cum.	E	9	c-cum. / cum.	ESE	10	cum.	E	10	nim.	E	9.8
,, 29,...	9	sm-cum. / cum.	E	8	sm-cum. / cum.	SSW / ESE	7	sm-cum. / cum.	E	9	sm-cum. / cum.	SW / E	8.9
,, 30,...	10	nim.	...	10	str-cum.	...	10	cum.	N	10	str-cum.	...	10.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	7.7	...	...	8.0	...	...	7.7	...	...	6.9	...	...	7.9

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF APRIL, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	5.0	13.2	0.1	0.2	+ 4.9	+ 13.0	E 21° N
2 „	4.5	13.3	0.5	0.2	4.0	13.1	E 17° N
3 „	4.3	12.7	0.5	0.1	3.8	12.6	E 17° N
4 „	4.5	13.1	0.4	0.0	4.1	13.1	E 17° N
5 „	4.4	13.1	0.3	0.0	4.1	13.1	E 18° N
6 „	3.7	12.6	0.2	0.1	3.5	12.5	E 16° N
7 „	3.8	12.0	0.3	0.1	3.5	11.9	E 16° N
8 „	3.6	12.8	0.4	0.2	3.2	12.6	E 14° N
9 „	3.9	13.8	0.4	0.4	3.5	13.4	E 15° N
10 „	4.1	14.1	0.5	0.4	3.6	13.7	E 15° N
11 „	3.8	14.8	0.3	0.8	3.5	14.0	E 14° N
Noon.	3.9	14.7	0.8	1.2	3.1	13.5	E 13° N
1 p.	3.0	15.3	1.2	1.3	1.8	14.0	E 7° N
2 „	3.4	14.6	1.1	1.4	2.3	13.2	E 10° N
3 „	2.6	14.1	1.0	1.4	1.6	12.7	E 7° N
4 „	3.2	14.3	0.9	1.0	2.3	13.3	E 10° N
5 „	3.1	13.5	0.9	0.4	2.2	13.1	E 10° N
6 „	2.7	13.5	1.2	0.2	1.5	13.3	E 7° N
7 „	3.1	13.6	0.9	0.2	2.2	13.4	E 9° N
8 „	4.3	13.2	0.8	0.1	3.5	13.1	E 15° N
9 „	4.2	13.6	0.2	0.1	4.0	13.5	E 17° N
10 „	4.5	13.1	0.3	0.1	4.2	13.0	E 18° N
11 „	5.0	12.7	0.2	0.0	4.8	12.7	E 21° N
Midt.	5.5	13.4	0.3	0.1	+ 5.2	+ 13.3	E 21° N
Means,.....	3.9	13.5	0.6	0.4	+ 3.35	+ 13.13	E 14° N

PHENOMENA :—

Fog :—on the 1st, 9th, 15th and 16th.

Slight fog :—on the 17th and 20th.

Haze :—on the 21st.

Unusual Visibility :—on the 6th and 23rd.

Dew :—on the 7th, 15th, 16th, 17th, 18th and 19th.

Lightning without thunder :—on the 20th and 21st.

Thunderstorms :—on the 10th, 2.30 a.—6 a., NW-SE, nearest at 4.55 a. (6s). On the 22nd 8 p.—4.15 a. 23rd, E-W, nearest at 11.20 p. (8s).

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF MAY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
May 1,...	29.710	29.686	29.665	29.665	29.663	29.675	29.678	29.691	29.716	29.729	29.729	29.721	29.708	29.681	29.661	29.668	29.666	29.685	29.692	29.706	29.728	29.717	29.720	29.706	29.694
" 2,...	.681	.687	.699	.703	.711	.723	.734	.751	.769	.768	.763	.741	.722	.713	.710	.704	.719	.723	.733	.751	.774	.797	.808	.799	.737
" 3,...	.788	.782	.767	.774	.784	.800	.819	.841	.849	.850	.848	.845	.831	.823	.809	.795	.795	.806	.810	.824	.842	.860	.859	.847	.819
" 4,...	.819	.808	.795	.790	.799	.814	.839	.865	.878	.883	.867	.855	.832	.815	.793	.781	.783	.782	.795	.808	.812	.819	.819	.808	.819
" 5,...	.802	.786	.773	.765	.768	.785	.798	.814	.843	.844	.831	.814	.789	.771	.745	.721	.726	.729	.738	.751	.768	.775	.784	.786	.779
" 6,...	.768	.760	.748	.751	.759	.771	.781	.795	.805	.807	.796	.774	.749	.733	.718	.706	.702	.699	.708	.720	.728	.743	.740	.728	.750
" 7,...	.726	.717	.704	.696	.704	.716	.729	.740	.741	.731	.727	.709	.694	.671	.645	.632	.632	.632	.640	.656	.663	.676	.681	.671	.689
" 8,...	.657	.651	.644	.640	.647	.652	.661	.670	.682	.686	.680	.671	.647	.621	.595	.583	.589	.594	.613	.627	.634	.651	.655	.659	.642
" 9,...	.657	.654	.640	.640	.649	.661	.685	.702	.703	.694	.683	.665	.635	.622	.602	.580	.587	.602	.617	.639	.661	.684	.693	.692	.652
" 10,...	.680	.674	.676	.680	.690	.696	.715	.726	.733	.720	.702	.693	.676	.659	.641	.626	.636	.641	.647	.666	.674	.677	.677	.676	.678
" 11,...	.665	.638	.636	.638	.655	.677	.704	.712	.718	.714	.705	.682	.655	.618	.592	.578	.595	.629	.645	.652	.652	.666	.661	.645	.655
" 12,...	.629	.622	.644	.621	.622	.637	.674	.693	.714	.710	.692	.665	.630	.635	.609	.602	.601	.612	.646	.652	.663	.674	.673	.671	.650
" 13,...	.662	.639	.631	.637	.642	.666	.692	.712	.707	.711	.704	.708	.692	.680	.662	.666	.677	.687	.690	.710	.732	.738	.744	.735	.688
" 14,...	.723	.702	.692	.726	.738	.761	.781	.796	.798	.800	.796	.794	.782	.764	.753	.743	.748	.754	.770	.796	.808	.822	.812	.804	.769
" 15,...	.791	.768	.762	.760	.762	.773	.788	.795	.804	.786	.769	.767	.746	.725	.708	.687	.678	.674	.677	.687	.694	.700	.688	.666	.736
" 16,...	.645	.625	.605	.607	.600	.610	.622	.630	.633	.627	.620	.598	.567	.549	.521	.498	.497	.505	.514	.533	.545	.560	.561	.548	.576
" 17,...	.532	.530	.520	.513	.514	.522	.536	.553	.564	.570	.569	.556	.537	.526	.505	.495	.500	.509	.519	.554	.572	.601	.609	.615	.543
" 18,...	.604	.591	.577	.583	.598	.616	.645	.667	.674	.676	.672	.676	.675	.657	.652	.636	.641	.666	.696	.728	.751	.768	.775	.773	.667
" 19,...	.771	.759	.754	.747	.749	.771	.792	.811	.824	.835	.819	.820	.808	.782	.770	.751	.744	.745	.761	.784	.806	.824	.832	.804	.786
" 20,...	.811	.799	.789	.785	.789	.800	.814	.825	.826	.816	.813	.799	.787	.761	.736	.726	.719	.723	.739	.766	.786	.805	.799	.786	.783
" 21,...	.763	.737	.731	.733	.746	.768	.786	.805	.815	.814	.807	.793	.764	.748	.721	.713	.701	.702	.717	.737	.773	.790	.792	.788	.760
" 22,...	.782	.784	.791	.798	.798	.822	.841	.859	.866	.870	.871	.872	.852	.842	.824	.818	.811	.809	.819	.840	.845	.871	.869	.858	.834
" 23,...	.847	.831	.821	.828	.833	.847	.860	.881	.892	.888	.883	.876	.873	.861	.844	.824	.811	.809	.820	.826	.831	.840	.836	.833	.846
" 24,...	.832	.818	.805	.804	.811	.831	.853	.855	.873	.872	.866	.864	.853	.826	.806	.782	.783	.777	.800	.822	.845	.871	.866	.843	.832
" 25,..	.822	.812	.796	.803	.803	.817	.826	.842	.850	.852	.852	.841	.831	.812	.788	.758	.756	.765	.794	.823	.845	.855	.865	.850	.819
" 26,...	.830	.809	.797	.795	.796	.815	.832	.840	.854	.856	.853	.839	.822	.810	.794	.786	.784	.787	.803	.822	.833	.842	.845	.838	.820
" 27,...	.817	.816	.812	.812	.809	.819	.836	.845	.853	.852	.850	.837	.814	.793	.778	.757	.757	.757	.768	.783	.784	.791	.793	.789	.805
" 28,...	.784	.786	.791	.789	.792	.797	.816	.814	.809	.806	.785	.768	.744	.728	.719	.701	.699	.701	.719	.733	.742	.757	.747	.745	.761
" 29,...	.733	.724	.720	.722	.726	.740	.755	.761	.765	.762	.751	.734	.723	.698	.672	.644	.638	.624	.626	.637	.656	.669	.661	.666	.700
" 30,...	.670	.650	.648	.647	.651	.656	.678	.688	.703	.702	.700	.688	.671	.648	.633	.611	.622	.628	.639	.654	.670	.685	.695	.693	.664
" 31,...	.670	.672	.663	.663	.673	.685	.702	.714	.729	.726	.718	.694	.675	.659	.628	.623	.623	.638	.668	.692	.705	.723	.714	.702	.682
Means,.....	29.731	29.720	29.713	29.713	29.719	29.733	29.751	29.764	29.774	29.773	29.765	29.754	29.735	29.717	29.698	29.684	29.685	29.690	29.704	29.722	29.736	29.750	29.751	29.743	29.730

TABLE II.

TEMPERATURE FOR THE MONTH OF MAY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
May 1,	69.7	68.0	68.2	68.3	68.0	67.1	66.8	65.5	65.6	65.5	65.8	66.5	67.7	67.8	67.0	66.8	66.5	66.3	66.0	65.8	65.8	66.9	66.2	66.2	66.8	70.4	64.9
" 2,	68.6	68.1	67.6	67.0	67.5	67.1	68.8	70.6	72.9	75.0	76.8	77.8	77.0	77.8	79.6	76.0	74.5	72.6	71.2	70.4	70.0	69.5	68.2	69.5	71.8	80.3	65.5
" 3,	68.6	68.4	68.6	68.9	68.7	70.1	70.5	71.7	73.5	73.5	73.8	73.7	74.8	74.8	74.5	73.6	73.4	72.1	71.8	71.8	72.0	71.5	71.7	71.3	71.8	75.4	68.6
" 4,	70.8	70.6	70.5	70.7	71.0	71.0	71.5	72.3	74.0	74.1	75.5	75.1	75.7	74.7	75.4	74.8	74.8	73.8	73.0	73.0	72.8	72.6	73.1	73.0	73.1	77.2	69.8
" 5,	72.1	72.3	72.2	71.7	71.3	71.4	72.2	72.8	72.5	73.8	75.6	77.1	77.3	76.8	76.6	76.0	75.4	74.2	74.0	73.6	73.8	73.8	74.0	74.0	73.9	77.7	71.0
" 6,	74.0	74.3	74.4	74.4	74.3	74.4	75.0	76.1	75.5	76.3	79.2	78.8	79.0	79.8	79.4	77.2	77.0	76.0	76.1	74.9	74.8	75.1	74.1	73.9	76.0	81.2	73.9
" 7,	73.8	73.7	73.5	73.7	74.3	75.1	76.8	78.5	80.7	82.2	82.9	83.8	84.0	85.1	85.7	83.2	81.9	79.6	79.8	79.5	78.8	78.8	78.3	78.7	79.3	86.5	73.5
" 8,	79.2	78.3	78.3	78.5	77.9	78.0	78.6	79.1	81.6	83.0	85.5	85.6	84.5	85.2	84.7	83.8	82.7	80.5	80.2	79.6	78.8	78.8	79.1	78.3	80.8	86.0	77.9
" 9,	78.6	78.3	78.8	79.2	79.2	78.8	79.5	81.3	82.8	84.2	85.0	85.6	86.1	87.2	84.9	84.8	83.9	81.5	80.4	79.5	78.5	78.5	78.0	77.5	81.3	87.6	77.5
" 10,	77.2	77.1	77.2	77.3	77.3	77.6	78.7	80.8	82.8	82.8	84.1	86.8	86.6	86.7	84.6	83.8	82.7	80.4	80.0	78.5	77.8	78.0	77.4	77.5	80.6	88.4	76.8
" 11,	77.2	78.0	77.1	76.8	76.9	77.7	79.1	81.5	81.3	81.8	81.0	81.6	80.2	80.7	80.0	79.6	79.6	79.6	79.0	78.5	77.5	77.6	77.5	77.2	79.0	83.4	76.1
" 12,	77.2	76.2	76.1	76.2	75.6	75.2	75.0	74.6	74.5	75.5	76.5	77.3	78.0	77.4	76.5	76.8	76.4	75.0	74.7	74.9	75.2	75.2	74.8	74.5	75.8	78.2	74.3
" 13,	73.3	73.8	74.4	74.7	74.9	75.7	75.7	76.0	77.3	77.5	77.1	81.3	80.6	79.7	80.0	76.5	78.9	77.8	77.0	76.8	76.7	76.7	76.6	77.2	76.9	81.8	73.3
" 14,	76.9	76.8	76.9	76.9	76.8	76.6	76.5	78.1	79.0	80.5	79.7	80.7	79.0	77.3	76.1	75.5	75.1	74.8	74.5	74.5	74.6	74.5	73.8	73.5	76.6	81.4	73.4
" 15,	73.1	72.6	72.7	72.0	72.3	71.9	72.0	72.0	72.7	72.7	73.2	73.7	73.6	74.2	74.0	73.8	73.8	74.0	74.5	74.7	74.5	74.5	74.5	74.4	73.4	75.4	71.9
" 16,	74.5	74.5	74.0	74.0	74.0	74.2	74.5	75.3	76.7	77.0	77.5	78.3	78.6	77.6	77.7	77.5	76.8	76.5	76.4	76.3	76.4	76.5	76.5	76.5	76.2	79.4	74.0
" 17,	76.5	76.4	76.7	76.1	76.2	76.5	77.1	78.8	79.8	79.1	79.0	80.8	80.8	80.5	80.4	80.3	79.5	78.8	78.0	77.8	77.8	77.4	77.5	77.5	78.3	81.5	75.7
" 18,	77.4	77.2	77.1	77.3	77.2	77.4	78.7	79.1	80.5	80.8	82.2	83.8	82.4	80.9	83.4	82.4	80.3	80.6	79.5	78.8	78.1	78.2	78.2	78.2	79.6	84.2	76.6
" 19,	78.1	78.2	78.8	78.6	78.6	78.6	79.0	79.5	81.7	81.7	82.5	82.5	82.6	82.1	81.7	81.8	80.7	80.5	79.5	79.5	79.1	79.2	78.9	79.0	80.1	84.1	77.9
" 20,	78.5	78.6	78.6	78.7	78.7	78.9	80.8	82.6	83.3	84.2	84.7	85.0	85.8	86.2	86.5	86.5	84.2	82.8	81.2	80.5	80.3	79.4	78.6	78.1	81.8	87.9	78.1
" 21,	77.8	77.6	77.3	77.5	76.9	78.2	80.0	82.0	82.8	83.2	85.1	87.0	87.6	86.9	87.5	87.1	85.9	84.5	81.7	80.2	80.3	80.1	79.5	79.2	81.9	87.9	76.3
" 22,	79.0	78.9	78.9	78.7	79.1	79.0	80.0	80.5	78.5	78.8	79.9	80.8	79.4	79.8	79.5	79.8	79.0	78.8	78.2	78.6	78.4	78.2	78.4	78.7	79.1	82.0	78.1
" 23,	78.6	78.2	78.5	77.8	77.7	77.3	76.5	76.5	76.5	76.7	77.7	77.8	78.3	79.3	79.3	78.8	79.0	78.5	78.0	78.1	78.2	78.5	78.4	78.3	78.0	80.3	76.2
" 24,	78.4	78.6	78.4	78.6	78.6	78.8	79.3	80.8	81.8	82.6	82.8	83.0	83.8	83.8	83.9	85.4	83.7	82.3	80.9	80.6	80.7	79.5	78.8	78.0	81.0	85.8	78.0
" 25,	77.8	77.4	77.3	76.8	77.5	78.4	79.7	81.8	82.6	84.7	85.2	86.2	87.1	88.8	88.6	88.3	85.4	83.0	81.8	81.4	81.1	80.3	80.2	79.7	82.1	89.1	76.4
" 26,	79.4	79.4	79.2	79.0	79.3	79.6	81.4	81.2	83.2	84.1	82.9	83.7	83.2	82.9	82.5	81.9	81.6	80.8	80.0	79.6	79.5	79.1	78.7	78.1	80.8	84.6	78.1
" 27,	77.6	77.2	76.7	76.5	76.4	77.6	80.3	81.7	82.2	84.5	84.1	85.7	87.5	87.5	88.1	87.8	86.6	84.0	82.3	81.4	80.7	80.3	79.6	78.7	81.9	88.6	76.4
" 28,	78.3	78.2	77.8	77.7	77.8	79.2	81.1	83.1	82.6	85.1	85.4	87.1	86.8	88.5	88.0	86.7	85.8	83.9	82.0	82.0	81.2	80.6	80.6	80.0	82.5	89.8	77.7
" 29,	79.7	80.1	79.2	79.2	79.3	80.4	81.6	83.9	84.5	86.1	86.6	86.5	89.5	89.6	88.8	87.7	86.4	85.2	83.4	82.6	82.4	81.5	81.2	80.9	83.6	89.4	79.2
" 30,	80.5	80.3	79.9	79.6	79.4	80.6	82.5	84.3	84.2	87.2	87.7	88.2	88.8	89.4	90.1	87.6	86.2	85.0	84.8	83.2	82.5	81.1	81.5	81.0	84.0	91.5	79.4
" 31,	80.0	80.3	79.5	79.2	79.4	80.6	82.0	84.9	85.6	86.9	87.9	87.5	87.7	86.9	87.3	85.8	85.2	83.8	83.3	83.2	83.5	83.2	83.1	82.8	83.7	88.6	78.8
Means,	76.2	76.1	75.9	75.9	75.9	76.2	77.1	78.3	79.1	80.0	80.7	81.6	81.7	81.8	81.7	80.9	80.1	78.9	78.2	77.7	77.5	77.3	77.0	76.8	78.4	83.4	75.0

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF MAY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
May 1, ...	66.5	65.8	65.6	64.9	65.1	64.8	64.5	64.8	64.5	64.9	64.8	65.0	66.4	66.9	65.6	64.8	64.6	64.6	64.6	65.0	64.5	62.8	62.6	62.6	64.8	87.4
" 2, ...	62.3	61.8	61.8	61.5	60.8	61.2	61.4	61.9	62.4	62.2	63.8	65.9	67.9	68.6	68.0	65.8	65.5	65.1	65.0	65.2	65.3	65.4	65.3	66.0	64.2	133.1
" 3, ...	66.1	66.4	66.7	67.0	66.8	66.7	66.8	67.1	67.5	67.5	66.4	67.4	67.5	66.1	67.9	69.1	68.4	68.4	68.5	68.6	68.4	68.7	68.5	68.6	67.5	127.7
" 4, ...	68.0	68.0	67.8	67.6	67.4	67.2	66.8	67.4	68.2	66.2	67.8	67.9	66.6	66.3	65.8	64.7	66.0	66.5	66.6	67.6	69.0	69.1	68.7	68.8	67.3	136.8
" 5, ...	68.9	68.6	68.8	69.0	67.5	67.4	67.9	69.3	69.3	69.6	70.6	71.4	71.4	71.3	70.8	70.8	70.6	70.6	70.9	71.0	71.6	72.2	72.5	72.8	70.2	139.7
" 6, ...	73.0	73.2	73.3	73.4	73.4	73.3	73.9	74.4	73.9	74.6	75.6	75.4	74.8	75.8	75.7	75.2	75.1	74.2	74.6	74.0	74.0	74.4	73.8	73.3	74.3	140.8
" 7, ...	73.3	73.2	72.9	73.1	73.3	74.1	75.0	76.4	76.0	75.6	75.8	76.4	76.9	76.0	75.8	75.6	76.0	75.6	75.0	74.8	75.1	75.0	74.9	75.2	75.0	141.5
" 8, ...	75.3	75.5	75.7	75.7	75.5	75.3	75.6	75.2	76.2	77.0	77.2	77.3	77.4	77.4	76.7	77.5	77.0	76.2	76.4	75.8	75.8	75.8	75.8	75.5	76.2	139.4
" 9, ...	75.5	75.9	75.6	75.6	75.5	75.8	76.0	76.5	77.0	77.0	77.3	77.8	78.7	77.7	77.1	77.6	77.7	76.8	76.8	76.6	76.5	76.3	76.1	75.6	76.6	146.3
" 10, ...	75.3	75.3	75.1	75.5	75.2	75.4	76.1	76.4	76.0	77.2	76.2	77.8	76.8	76.7	76.9	76.6	75.8	75.8	75.2	75.4	75.1	75.1	75.2	75.1	75.9	137.4
" 11, ...	75.3	75.4	75.3	75.4	75.5	75.8	76.5	77.3	77.5	77.0	76.8	76.8	76.1	76.4	75.8	75.8	75.7	75.3	75.1	74.7	75.0	74.4	74.4	74.3	75.7	139.2
" 12, ...	74.6	73.3	73.0	72.8	72.5	71.7	72.0	72.2	72.1	71.8	72.6	72.8	73.3	73.0	73.0	73.0	72.9	72.7	72.6	73.3	73.3	73.2	73.3	73.0	72.8	101.3
" 13, ...	72.8	73.0	73.3	73.7	74.3	74.8	74.6	74.6	75.6	76.2	75.8	76.7	76.3	76.2	76.1	74.3	76.0	74.6	75.0	75.1	74.9	74.6	75.3	76.0	75.0	147.8
" 14, ...	76.1	76.1	76.2	76.2	76.1	75.9	75.9	76.4	77.2	77.6	77.2	78.0	76.6	75.6	74.8	74.3	73.9	73.8	73.4	73.3	73.3	73.4	72.9	72.6	75.3	141.3
" 15, ...	72.4	71.7	71.5	70.9	71.0	70.8	71.0	70.8	70.8	70.7	70.8	71.2	71.1	71.5	71.5	71.8	72.0	72.3	72.6	72.8	73.1	73.3	73.6	73.6	71.8	100.9
" 16, ...	73.1	73.1	73.4	73.5	73.5	73.2	73.9	74.6	74.8	74.8	75.0	75.5	75.7	75.5	75.6	75.6	75.2	75.1	75.2	75.2	75.3	75.4	75.6	75.8	74.7	139.6
" 17, ...	75.8	75.8	75.6	75.5	75.4	75.5	75.8	76.6	76.9	76.4	76.5	77.4	77.4	76.7	77.0	77.0	76.7	76.7	76.5	76.6	76.4	76.3	76.4	76.3	76.4	138.1
" 18, ...	75.9	75.8	76.0	76.3	76.3	76.4	77.3	77.6	78.2	77.6	78.4	77.8	77.5	77.8	76.1	76.5	77.3	77.9	76.1	76.1	76.5	76.8	76.9	76.8	76.9	148.2
" 19, ...	76.6	76.8	77.2	77.1	77.6	77.7	78.0	78.0	77.6	77.4	78.7	76.8	78.7	79.1	79.0	78.8	78.5	78.0	78.5	78.3	77.6	77.9	78.3	78.3	77.9	138.9
" 20, ...	78.3	78.4	78.0	78.1	78.1	78.1	78.9	79.5	80.0	79.5	78.8	78.9	79.8	77.9	77.9	77.8	77.9	76.6	77.4	77.6	77.2	77.4	77.1	76.6	78.2	145.9
" 21, ...	76.6	76.4	76.3	76.0	75.3	76.1	76.5	77.2	77.7	77.4	78.0	78.4	78.7	78.7	78.8	78.6	78.0	77.8	77.3	77.2	77.3	76.8	77.1	76.7	77.3	139.1
" 22, ...	76.7	76.8	76.9	77.1	77.4	77.2	77.2	76.6	75.8	76.0	76.0	76.3	75.6	75.6	75.7	75.7	75.7	75.7	75.5	75.9	76.0	76.0	75.7	75.8	76.2	139.9
" 23, ...	75.5	75.8	75.8	75.5	75.5	75.3	74.8	74.6	74.6	74.4	74.9	74.9	75.0	75.6	75.8	75.6	75.9	76.0	76.0	76.2	76.4	76.4	76.6	76.7	75.6	131.2
" 24, ...	76.8	77.1	77.0	77.1	77.1	77.2	77.0	78.4	78.8	78.6	78.8	78.2	77.8	78.2	78.6	77.6	76.5	77.0	77.0	76.8	77.0	76.9	76.8	76.8	77.5	145.6
" 25, ...	76.5	76.1	76.3	75.8	76.5	76.7	77.6	77.3	76.7	76.8	77.4	77.8	78.5	78.0	76.8	76.8	76.2	76.8	76.6	76.6	76.4	76.4	77.2	77.3	76.9	140.5
" 26, ...	76.7	76.9	76.5	76.5	76.6	76.4	77.3	77.0	77.8	77.9	77.0	78.0	77.6	77.0	77.1	77.5	77.1	77.3	76.0	76.2	77.0	77.2	77.0	76.4	77.0	139.5
" 27, ...	76.0	75.9	75.6	75.4	75.3	76.4	76.8	77.0	76.3	76.9	76.7	76.5	76.7	76.6	75.0	75.7	74.7	75.0	76.2	76.0	75.4	75.0	75.4	75.8	75.9	143.6
" 28, ...	75.8	75.8	75.6	75.1	75.2	76.0	77.8	77.6	77.1	77.5	78.5	78.9	76.8	77.7	75.8	75.3	75.5	74.9	75.4	74.6	75.0	75.3	75.7	75.9	76.2	141.6
" 29, ...	76.2	76.2	76.0	76.2	76.2	76.9	76.9	78.1	77.9	78.5	78.8	78.8	78.0	78.8	78.2	77.9	77.3	76.0	77.4	77.0	76.7	77.6	77.6	77.4	77.4	144.3
" 30, ...	77.1	77.4	77.4	77.3	77.0	77.9	78.0	78.4	78.4	78.4	77.3	77.1	78.0	76.9	77.3	77.6	77.9	78.0	77.4	76.5	76.8	77.0	76.8	76.6	77.4	141.7
" 31, ...	76.9	76.8	76.7	76.5	77.2	78.0	78.3	78.0	77.7	78.0	78.0	77.5	76.0	74.6	76.4	76.6	76.2	76.3	76.8	76.7	76.8	77.9	79.1	79.2	77.2	140.9
Means, ...	74.1	74.0	74.0	73.9	73.9	74.0	74.4	74.7	74.9	74.9	75.1	75.4	75.3	75.2	74.9	74.8	74.6	74.4	74.4	74.4	74.5	74.5	74.6	74.6	74.6	136.1

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF MAY, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	90	0.820	May 1,.....	89	0.588
2 „	90	.818	„ 2,.....	64	.500
3 „	91	.820	„ 3,.....	79	.617
4 „	91	.816	„ 4,.....	73	.592
5 „	91	.816	„ 5,.....	82	.690
6 „	90	.815	„ 6,.....	92	.827
7 „	87	.821	„ 7,.....	81	.812
8 „	84	.817	„ 8,.....	80	.843
9 „	81	.815	„ 9,.....	80	.854
10 „	78	.803	„ 10,.....	79	.832
11 „	76	.802	„ 11,.....	86	.846
Noon.	74	.802	„ 12,.....	86	.768
1 p.	73	.797	„ 13,.....	91	.844
2 „	73	.791	„ 14,.....	94	.861
3 „	72	.780	„ 15,.....	92	.759
4 „	74	.787	„ 16,.....	93	.841
5 „	76	.789	„ 17,.....	91	.885
6 „	80	.797	„ 18,.....	88	.890
7 „	83	.806	„ 19,.....	90	.928
8 „	85	.813	„ 20,.....	85	.918
9 „	86	.820	„ 21,.....	81	.876
10 „	87	.822	„ 22,.....	87	.866
11 „	89	.831	„ 23,.....	89	.855
Midt.	90	.834	„ 24,.....	85	.898
			„ 25,.....	78	.856
			„ 26,.....	84	.878
			„ 27,.....	75	.815
			„ 28,.....	74	.820
			„ 29,.....	75	.858
			„ 30,.....	73	.852
			„ 31,.....	73	.848
Means,.....	83	0.810	Means.	83	0.810

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
May 1,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,.....	0.1	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.3
„ 3,.....	...	0.6	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	0.8	0.3	10.3
„ 4,.....	0.1	...	0.3	1.0	0.6	1.0	0.9	0.9	0.5	0.5	0.5	0.4	...	6.7
„ 5,.....	...	0.1	0.1	...	0.4	0.9	1.0	0.9	0.8	1.0	0.7	0.2	...	6.1
„ 6, ...	0.1	0.6	0.8	0.1	0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	8.4
„ 7,.....	...	0.7	0.5	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.4	10.5
„ 8,.....	...	0.1	0.5	0.9	1.0	0.6	0.6	1.0	1.0	1.0	1.0	1.0	0.1	8.8
„ 9,.....	...	0.9	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	11.0
„ 10,.....	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.7
„ 11,.....	0.4	1.0	1.0	1.0	0.9	0.7	1.0	1.0	1.0	1.0	1.0	0.4	...	10.4
„ 12,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,.....	...	...	...	0.5	0.4	0.2	0.5	1.0	0.8	0.1	0.5	0.4	0.1	4.5
„ 14,.....	...	...	...	0.9	0.8	0.8	0.2	...	...	...	...	...	...	2.7
„ 15,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,.....	...	...	0.2	0.5	0.3	0.4	0.6	1.0	0.7	1.0	0.3	0.5	...	5.5
„ 17,.....	0.1	0.9	0.5	0.6	0.1	0.4	1.0	1.0	1.0	1.0	0.9	1.0	0.4	8.9
„ 18,.....	...	...	0.1	0.2	0.4	0.8	0.3	0.1	0.2	...	0.6	0.9	0.6	4.2
„ 19,.....	...	...	0.1	0.4	0.5	0.7	1.0	1.0	0.9	0.9	0.9	0.8	0.6	7.8
„ 20,.....	0.1	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.7	11.7
„ 21,.....	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	12.2
„ 22,.....	...	0.5	0.9	0.1	0.2	1.0	1.0	0.4	0.7	0.2	0.5	0.5	0.4	6.4
„ 23,.....	...	...	...	...	...	...	0.1	0.2	0.9	0.9	0.9	1.0	0.3	4.3
„ 24,.....	...	0.7	1.0	1.0	0.9	0.9	0.4	0.6	1.0	1.0	1.0	1.0	0.8	10.3
„ 25,.....	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	12.2
„ 26,.....	0.4	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	11.9
„ 27,.....	0.2	1.0	1.0	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	11.8
„ 28,.....	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	12.2
„ 29,.....	0.6	1.0	1.0	1.0	1.0	0.7	1.0	0.7	1.0	1.0	1.0	1.0	0.8	11.8
„ 30,.....	0.3	0.9	0.8	0.7	1.0	1.0	1.0	0.9	1.0	1.0	0.8	0.6	0.3	10.3
„ 31,.....	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	12.1
Sums,.....	4.3	16.7	18.5	20.8	20.5	23.1	23.5	23.6	24.5	23.3	23.6	22.2	11.4	256.0

TABLE VI.

RAINFALL FOR THE MONTH OF MAY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
May 1,	...	...	...	...	...	0.040	0.015	0.525	0.300	0.405	0.160	0.100	0.020	0.080	0.020	0.015	0.035	0.040	0.005	...	...	...	...	...	1.760	14
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	0.005	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.015	5
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	0.005	0.010	0.030	...	...	...	...	...	...	...	...	0.020	0.025	...	...	0.015	0.030	...	0.135	7
„ 13,	0.095	0.135	0.040	0.185	0.635	0.420	0.425	0.080	0.095	0.060	0.035	...	...	...	0.085	0.060	...	...	...	...	...	...	...	...	2.350	14
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.050	0.010	...	0.015	0.005	0.020	...	0.080	0.030	0.015	0.225	11
„ 15,	0.145	0.030	0.175	0.020	0.080	0.150	0.205	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	...	0.810	12
„ 16,	0.005	0.055	0.020	0.010	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.095	6
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	0.055	...	...	...	0.005	0.005	...	...	...	...	...	...	...	...	...	0.035	...	...	...	...	...	0.100	4
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	0.005	...	...	...	0.020	0.020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.045	1
„ 23,	...	0.040	0.005	0.010	...	0.030	0.015	0.020	0.005	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	...	0.130	5
„ 24,	...	...	...	...	...	...	...	...	...	...	...	0.035	...	...	...	...	...	...	...	...	...	...	...	...	0.035	1
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.245	0.260	0.240	0.280	0.730	0.650	0.665	0.640	0.455	0.485	0.195	0.135	0.020	0.080	0.155	0.085	0.035	0.075	0.070	0.020	...	0.105	0.060	0.015	5.700	80

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF MAY, 1898.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
May 1	27	7	22	6	25	3	28	4	29	2	...	1	29	3	23	6	22	4	23	5	23	4	23	6	26	5	26	2	24	2	19	2	...	1	32	2	22	3	...	0	...	1	3	2	32	4	30	8	83	3.5	26
" 2	1	17	32	10	30	8	32	7	31	11	2	9	32	10	1	5	32	12	32	10	32	6	23	8	24	10	24	7	20	4	15	7	14	9	15	9	8	11	8	10	8	6	8	2	8	4	9	9	201	8.4	1
" 3	8	7	9	8	9	10	8	8	6	7	4	12	6	15	6	18	6	23	8	22	7	32	8	29	7	27	6	26	7	22	8	20	7	18	6	20	6	18	6	15	6	18	6	15	6	16	5	13	419	17.5	7
" 4	6	19	6	17	6	21	5	20	5	17	5	21	7	18	7	19	7	20	7	18	8	17	8	20	8	25	8	23	8	22	7	23	8	23	8	20	8	17	8	16	8	18	8	19	7	20	6	23	476	19.8	7
" 5	7	16	7	15	7	17	7	21	8	20	8	21	7	23	7	18	8	13	8	19	9	18	8	20	8	20	8	19	8	20	8	21	8	19	8	17	8	15	8	18	8	17	8	11	8	11	9	12	421	17.5	8
" 6	9	10	8	11	8	11	8	7	8	4	8	8	8	12	7	14	7	9	7	8	8	9	9	14	9	13	8	16	9	11	8	12	9	8	9	3	11	6	9	5	6	8	6	5	7	6	...	1	211	8.8	8
" 7	...	1	...	1	...	0	...	0	29	2	...	0	29	2	29	6	24	7	25	6	26	11	24	11	24	12	19	11	19	12	18	16	19	12	16	6	21	4	18	4	17	5	19	5	17	4	21	6	144	6.0	21
" 8	20	8	20	15	20	14	20	18	21	13	22	11	20	12	20	13	21	15	19	16	21	14	19	16	19	17	19	17	19	17	17	12	18	9	19	4	15	4	15	2	3	2	...	1	...	1	...	1	252	10.5	20
" 9	18	6	21	9	18	9	19	10	19	9	22	10	21	12	21	12	20	14	21	11	21	11	20	11	23	11	21	12	21	11	19	7	17	6	17	5	17	3	15	5	17	2	2	3	...	1	2	3	193	8.0	20
" 10	2	2	2	2	2	5	21	6	22	8	23	7	26	6	22	8	22	9	27	9	26	10	22	8	20	8	23	9	15	9	17	11	17	8	15	8	11	7	...	1	13	5	13	5	10	2	10	3	156	6.5	20
" 11	10	4	6	4	6	6	6	6	8	7	7	8	7	9	6	8	8	12	8	12	8	20	9	19	8	20	8	20	8	18	8	17	8	15	14	12	13	9	11	10	7	12	8	14	8	17	8	19	298	12.4	8
" 12	7	18	7	21	6	23	6	19	7	27	7	29	6	27	7	21	6	20	7	13	7	22	6	20	5	18	7	27	6	30	6	28	6	29	7	25	8	23	7	30	7	28	7	27	7	37	7	33	595	24.8	7
" 13	7	34	7	34	7	29	7	30	11	23	10	29	9	29	9	22	10	20	11	21	10	18	13	21	10	17	9	23	14	15	15	11	16	6	14	5	9	8	8	10	8	10	7	15	6	15	7	13	458	19.1	9
" 14	7	11	7	11	7	13	8	11	7	12	8	11	8	15	7	14	8	17	7	17	8	18	9	17	8	18	7	17	7	19	8	21	7	20	7	22	7	25	7	25	7	26	7	27	7	28	7	27	442	18.4	7
" 15	7	28	7	32	7	30	7	33	7	32	7	35	7	34	7	34	7	32	7	29	7	34	7	29	6	31	7	29	7	26	7	23	7	24	6	27	7	23	8	22	6	16	6	18	6	17	6	20	663	27.6	7
" 16	6	17	6	17	6	13	7	14	7	13	7	15	7	15	8	13	8	15	8	15	9	18	8	20	8	22	8	18	9	22	8	15	8	18	8	11	9	11	8	12	8	13	8	13	8	13	8	9	362	15.1	8
" 17	8	7	8	7	5	6	6	7	5	6	6	8	8	12	7	12	8	13	9	14	8	19	9	19	9	22	8	22	6	16	8	18	8	18	8	14	8	8	8	8	7	7	7	5	7	4	...	0	272	11.3	8
" 18	...	0	7	2	...	1	...	0	...	0	7	2	7	5	7	5	7	12	8	12	8	14	15	10	15	7	15	13	15	12	15	10	7	10	14	8	12	8	9	6	8	10	7	11	8	13	8	12	183	7.6	10
" 19	8	13	8	10	10	10	8	13	9	18	8	14	9	10	8	11	14	13	13	11	7	14	9	19	8	20	8	19	8	16	8	19	8	18	8	15	9	12	8	11	8	11	7	8	7	8	7	7	320	13.3	8
" 20	8	7	8	8	9	10	8	8	9	7	9	6	10	5	8	7	8	10	7	8	9	8	6	5	10	4	17	6	17	7	16	8	17	8	16	7	16	3	16	3	16	3	16	4	27	5	27	2	149	6.2	11
" 21	...	0	...	1	...	1	23	2	...	1	26	2	...	1	25	5	24	8	24	7	22	9	25	10	24	9	24	8	25	9	22	6	23	4	23	5	16	5	28	4	14	5	16	4	14	4	...	1	111	4.6	23
" 22	...	1	3	3	8	8	8	5	8	10	9	11	8	22	7	18	6	21	7	20	8	25	7	21	7	23	9	22	8	21	8	18	9	21	9	23	9	20	9	18	8	22	9	17	8	23	9	22	415	17.3	8
" 23	8	25	9	22	8	24	8	21	8	16	7	22	7	24	7	23	6	24	7	26	7	25	7	25	7	20	8	19	8	18	8	19	8	19	9	15	9	18	9	17	10	19	8	14	8	18	8	12	485	20.2	8
" 24	8	11	8	11	8	13	9	11	8	8	8	11	8	7	8	16	8	15	8	17	8	17	18	7	29	6	11	7	11	11	15	9	14	8	15	7	15	4	15	2	...	1	...	1	...	1	6	2	203	8.5	9
" 25	...	1	...	0	...	1	2	2	2	2	...	1	7	3	31	4	30	4	24	6	24	9	25	10	23	8	24	10	23	9	17	7	15	10	14	10	15	10	15	7	11	5	8	9	8	9	8	7	144	6.0	18
" 26	8	7	9	8	8	9	9	9	7	10	7	9	7	12	8	18	8	14	8	14	9	20	9	18	8	19	8	19	7	19	7	18	8	14	8	9	13	7	13	6	9	6	9	6	9	5	9	5	281	11.7	8
" 27	9	3	...	0	...	1	...	0	...	1	...	0	9	2	7	5	9	7	9	5	25	9	26	9	26	10	25	9	24	8	22	6	17	9	17	7	16	5	15	3	15	2	...	0	...	0	...	1	102	4.3	21
" 28	...	1	...	0	...	0	...	0	...	0	...	1	5	2	11	4	29	5	29	6	26	10	24	10	24	10	24	10	16	10	16	10	15	11	16	7	16	10	16	9	...	1	...	1	...	1	...	1	120	5.0	20
" 29	14	2	...	0	...	0	...	1	...	0	...	0	...	1	28	4	28	3	30	3	12	3	10	5	16	6	19	6	19	7	17	8	16	7	15	9	16	6	16	4	16	2	...	1	...	0	...	0	78	3.2	16
" 30	...	1	...	1	...	1	...	0	...	0	...	1	15	2	15	5	26	5	25	5	25	8	24	9	22	8	24	7	16	6	16	10	16	10	17	7	17	6	...	0	...	1	17	2	17	2	13	2	99	4.1	20
" 31	13	2	13	2	...	1	...	1	13	2	...	1	13	2	13	5	13	6	10	8	11	11	9	16	9	18	8	13	8	15	8	14	7	13	7	13	12	12	12	10	9	13	8	15	8	15	8	12	220	9.2	9
Sums	...	286	...	288	...	29[illegible]	...	294	...	288	...	316	...	352	...	373	...	402	...	393	...	463	...	462	...	464	...	466	...	444	...	431	...	405	...	352	...	321	...	293	...	295	...	280	...	304	...	286	8556	356.5	...
Means	...	9.2	...	9.3	...	9.6	...	9.5	...	9.3	...	10.2	...	11.4	...	12.0	...	13.0	...	12.7	...	14.9	...	14.9	...	15.0	...	15.0	...	14.3	...	13.9	...	13.1	...	11.4	...	10.4	...	9.5	...	9.5	...	9.0	...	9.8	...	9.2	276.0	11.5	...

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
May 1, ...	10	str-cum.	...	10	nim.	...	10	nim.	...	10	nim.	NNW
„ 2, ...	10	str-cum.	...	7	cum.	...	3	sm-cum.	...	1	sm-cum.	...
„ 3, ...	0	...	...	8	cum.	...	7	cum.	E	1	cum.	E
„ 4, ...	3	cum.	E	3	cum.	E	4	sm-cum. / cum.	E	9	c-str. / cum.	E
„ 5, ...	10	nim.	...	8	cum.	ESE	8	cum.	ESE	8	cum.	E
„ 6, ...	10	nim.	ESE	10	nim.	E	3	cum.	SE	9	cum.	SSE
„ 7, ...	7	c-cum.	W	9	cum.	SSW	8	cum.	SW	2	c-str. / cum.	WSW
„ 8, ...	9	cum.	SW	9	cum.	SW	9	c-cum. / cum.	SW	8	c-str. / cum.	WSW
„ 9, ...	8	cum.	SW	9	cum.	SW	7	c-cum. / cum.	SW	8	c-cum. / cum.	SW
„ 10, ...	1	cum.	...	4	cum.	SW	1	c-str. / cum.	...	5	c-str.	...
„ 11, ...	9	cum.	S	4	cum.	S	3	cum.	SSE	4	cum.	SSE
„ 12, ...	9	cum.	E	9	cum.	E	10	nim.	E	10	cum-nim.	ENE
„ 13, ...	10	nim.	...	10	nim.	...	10	nim.	ESE	10	nim.	SE
„ 14, ...	9	cum.	SSE	10	cum.	SSE	10	sm-cum. / cum-nim.	SSE	9	c-cum. / cum.	SSE
„ 15, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	cum-nim.	...
„ 16, ...	10	nim.	...	10	nim.	...	10	cum-nim.	ESE	8	c-cum. / cum.	S / E
„ 17, ...	7	cum.	ESE	3	cum.	E	4	sm-cum. / cum.	...	8	sm-cum. / cum.	S / ..
„ 18, ...	4	cum.	SE	10	cum.	SSE	10	sm-cum. / cum.	S / SSW	9	c-cum. / cum.	SSW
„ 19, ...	0	...	...	8	nim.	...	9	cum.	SSE	8	cum.	SSE
„ 20, ...	2	cum.	E	2	cum.	E	3	cum.	ESE	8	cum.	SSW
„ 21, ...	0	...	...	0	...	...	0	...	...	1	cum.	...
„ 22, ...	0	...	...	1	cum.	...	5	cum.	SE	7	cum-nim.	ESE
„ 23, ...	10	nim.	...	10	nim.	...	10	nim.	E	10	cum-nim.	E
„ 24, ...	5	cum.	E	3	cum.	E	2	cum.	...	8	sm-cum. / cum.	SSE
„ 25, ...	0	...	...	1	cum.	...	3	sm-cum. / cum.	WSW	2	cum.	...
„ 26, ...	0	...	...	0	...	...	7	cum.	E	2	cum.	...
„ 27, ...	0	...	...	0	...	...	3	cum.	...	4	cum.	...
„ 28, ...	0	...	...	0	...	...	2	cum.	SSW	2	cum.	...
„ 29, ...	0	...	...	0	...	...	1	cum.	SSW	2	cum.	SW
„ 30, ...	0	...	...	0	...	...	8	c-str. / c-cum. / cum.	SSW	7	c-cum. / cum.	SSW
„ 31, ...	6	c-cum.	W	0	...	...	3	c-cum. / sm-cum.	...	6	c-cum. / cum.	...
Means,...	5.1	...	...	5.4	...	...	5.9	...	...	6.3	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
May 1,...	10	nim.	...	10	nim.	NE	10	nim.	...	10	cum-nim.	...	10.0
„ 2,...	0	...	...	1	c-cum.	...	0	...	...	0	...	...	2.7
„ 3,...	0	...	...	2	c-cum. / cum.	E	7	sm-cum. / cum.	E	3	sm-cum. / cum.	E	3.5
„ 4,...	8	sm-cum.	SW	9	sm-cum. / cum.	E	5	sm-cum. / cum.	SE	1	c-cum. / cum.	S / ..	5.3
„ 5,...	8	sm-cum. / cum.	SSW / ESE	8	sm-cum. / cum.	SSW / ESE	10	cum.	ESE	10	str-cum.	ESE	8.7
„ 6,...	4	cum.	SSE	2	cum.	SSE	1	cum.	...	0	...	...	4.9
„ 7,...	8	c-str. / cum.	W	9	c-str. / cum.	...	6	c-str. / cum.	WSW	5	c-str. / cum.	WSW	6.8
„ 8,...	6	c-str. / cum.	...	6	c-str. / cum.	...	2	cum.	SSW	3	c-str. / cum.	SSW	6.5
„ 9,...	8	c-str. / cum.	...	6	c-str. / cum.	...	1	c-str.	...	4	c-str.	...	6.4
„ 10,...	6	c-str. / cum.	SW	5	c-str. / cum.	...	4	c-str.	...	1	cum.	...	3.4
„ 11,...	2	cum.	...	2	c-str. / cum.	...	10	cum.	SE	7	cum.	SE	5.1
„ 12,...	10	str-cum.	ENE	10	nim.	ENE	10	nim.	E	10	nim.	...	9.8
„ 13,...	9	c-str. / cum.	SSE	9	c-str. / nim.	...	8	c-str. / cum.	...	4	str-cum.	...	8.7
„ 14,...	10	sm-cum. / cum.	SSE	10	nim.	...	10	nim.	...	10	nim.	...	9.7
„ 15,...	10	str-cum.	E	10	nim.	E	10	nim.	E	10	nim.	...	10.0
„ 16,...	8	c-cum. / cum.	S / ESE	10	str-cum.	ESE	10	c-cum. / cum.	ESE	2	cum.	...	8.5
„ 17,...	2	c-cum. / cum.	...	5	c-cum. / cum.	S / ..	9	c-cum.	S	1	cum.	...	4.9
„ 18,...	10	sm-cum. / cum.	S	8	c-cum. / cum.	S	1	c-cum. / cum.	...	1	cum.	...	6.6
„ 19,...	5	cum.	SSE	7	cum.	SSE	9	nim.	SSE	2	cum-nim.	...	6.0
„ 20,...	3	c-cum. / cum.	SSW	1	cum.	SSW	0	...	...	0	...	...	2.4
„ 21,...	1	cum.	...	1	cum.	...	3	c-str.	...	1	sm-cum.	...	0.9
„ 22,...	10	cum.	ESE	9	sm-cum. / cum.	ESE	9	c-cum. / cum.	ESE	4	cum.	ESE	5.6
„ 23,...	10	cum-nim.	E	8	sm-cum. / cum.	S / E	7	sm-cum. / cum.	SSE / E	7	nim.	E	9.0
„ 24,...	8	sm-cum. / cum.	SSW / ..	6	cum.	SE	1	cum.	...	1	cum.	...	4.3
„ 25,...	5	c-cum. / cum.	SW	1	cum.	...	0	...	...	1	cum.	...	1.6
„ 26,...	2	cum.	...	1	cum.	...	0	...	...	1	cum.	...	1.6
„ 27,...	1	cum.	...	1	cum.	...	0	...	...	0	...	...	1.1
„ 28,...	1	cum.	...	0	...	...	0	...	...	0	...	...	0.6
„ 29,...	6	cum.	SW	9	c-cum. / cum.	NNE / SW	1	cum.	...	0	...	...	2.4
„ 30,...	9	c-cum. / cum.	SSW	9	c-str. / cum.	SSW	8	c-str.	...	5	c-str.	...	5.7
„ 31,...	3	c-cum. / cum.	...	2	c-cum.	...	3	c-cum.	...	7	cum.	ESE	3.8
Means,...	5.9	...	...	5.7	...	...	5.0	...	...	3.6	...	...	5.4

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF MAY, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	1.9	7.7	0.7	0.5	+ 1.2	+ 7.2	E 9° N
2 „	1.7	7.7	0.9	0.8	0.8	6.9	E 6° N
3 „	1.9	7.9	0.8	0.6	1.1	7.3	E 8° N
4 „	1.7	7.6	0.9	0.9	0.8	6.8	E 7° N
5 „	1.6	7.4	1.2	0.9	0.4	6.5	E 4° N
6 „	1.8	8.5	0.7	0.9	1.1	7.6	E 8° N
7 „	2.0	9.6	0.9	0.9	1.1	8.7	E 7° N
8 „	2.1	9.7	1.1	1.4	1.0	8.3	E 7° N
9 „	2.3	9.5	1.6	2.0	0.7	7.5	E 6° N
10 „	1.7	9.6	1.5	1.9	+ 0.2	7.7	E 1° N
11 „	1.5	11.5	1.5	2.8	0.0	8.7	E
Noon.	1.0	10.5	2.8	3.2	− 1.8	7.3	E 14° S
1 p.	1.5	10.7	1.9	3.2	0.4	7.5	E 3° S
2 „	0.9	10.9	2.2	2.9	1.3	8.0	E 9° S
3 „	1.2	10.0	3.6	2.0	2.4	8.0	E 17° S
4 „	0.8	9.5	4.2	1.0	3.4	8.5	E 22° S
5 „	0.9	9.5	3.7	0.7	2.8	8.8	E 17° S
6 „	1.0	8.1	3.7	0.3	2.7	7.8	E 19° S
7 „	0.5	7.9	3.4	0.3	2.9	7.6	E 21° S
8 „	0.6	7.8	2.1	0.2	1.5	7.6	E 11° S
9 „	1.0	8.5	1.2	0.0	− 0.2	8.5	E 1° S
10 „	1.2	8.1	0.7	0.1	+ 0.5	8.0	E 4° N
11 „	1.5	9.0	0.4	0.2	1.1	8.8	E 7° N
Midt.	1.6	8.2	0.5	0.3	+ 1.1	+ 7.9	E 8° N
Means,.....	1.4	9.0	1.8	1.2	− 0.35	+ 7.81	E 3° S

PHENOMENA :—

Solar halo :—on the 4th, 7th, 8th, 9th, 10th, 13th and 29th.

Solar corona :—on the 7th.

Lunar corona :—on the 6th, 10th, 30th and 31st.

Fog :—on the 6th.

Slight fog :—on the 7th and 21st.

Haze :—on the 22nd, 23rd, 26th and 29th.

Unusual Visibility :—on the 3rd, 9th, 10th, 17th and 20th.

Dew :—on the 1st, 2nd, 10th, 11th, 17th, 19th, 24th, 28th and 30th.

Rainbow :—on the 13th and 19th.

Lightning without thunder :—on the 10th, 11th, 13th, 18th, 19th, 20th, 21st, 22nd and 23rd.

Thunderstorms :—on the 24th, 11.30 a.—12.30 p., SW-NE, nearest at 11.55 a. (1ˢ).

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JUNE, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
June 1,...	29.701	29.691	29.685	29.689	29.697	29.707	29.712	29.713	29.719	29.725	29.711	29.698	29.686	29.663	29.651	29.617	29.615	29.628	29.644	29.671	29.687	29.697	29.692	29.679	29.682
„ 2,...	.662	.650	.636	.630	.629	.646	.656	.656	.657	.652	.647	.625	.594	.565	.533	.517	.511	.539	.566	.573	.582	.601	.598	.587	.605
„ 3,...	.574	.560	.551	.535	.533	.528	.552	.558	.563	.562	.554	.530	.485	.457	.433	.417	.426	.430	.439	.470	.492	.519	.512	.495	.507
„ 4,...	.479	.461	.444	.474	.476	.514	.529	.561	.572	.582	.572	.566	.554	.529	.518	.512	.502	.525	.546	.559	.583	.607	.614	.598	.537
„ 5,...	.583	.573	.559	.560	.566	.592	.618	.621	.632	.633	.629	.616	.597	.584	.577	.570	.584	.612	.624	.636	.645	.664	.663	.646	.608
„ 6,...	.636	.621	.614	.630	.646	.669	.681	.695	.705	.705	.697	.706	.701	.680	.648	.638	.639	.659	.667	.666	.672	.680	.706	.688	.669
„ 7,...	.671	.653	.640	.643	.642	.646	.695	.702	.710	.708	.707	.703	.700	.678	.664	.662	.661	.670	.680	.681	.701	.703	.703	.677	.679
„ 8,...	.664	.671	.658	.652	.650	.666	.670	.674	.680	.690	.673	.669	.660	.643	.618	.603	.603	.604	.613	.622	.640	.656	.651	.635	.649
„ 9,...	.631	.616	.612	.623	.632	.648	.665	.671	.673	.680	.662	.653	.633	.619	.597	.575	.572	.583	.607	.615	.618	.619	.635	.632	.628
„ 10,...	.611	.613	.619	.630	.627	.631	.647	.657	.673	.675	.673	.648	.641	.627	.606	.600	.599	.607	.623	.650	.659	.681	.671	.662	.639
„ 11,...	.647	.641	.656	.663	.673	.693	.701	.706	.715	.714	.703	.697	.674	.646	.626	.614	.613	.621	.640	.662	.669	.683	.676	.662	.666
„ 12,...	.650	.637	.642	.635	.643	.653	.670	.670	.677	.690	.682	.675	.657	.640	.630	.612	.603	.612	.620	.633	.639	.654	.663	.654	.648
„ 13,...	.648	.628	.628	.640	.642	.654	.657	.656	.654	.655	.646	.632	.626	.602	.573	.561	.573	.578	.587	.595	.609	.623	.612	.595	.620
„ 14,...	.580	.561	.552	.555	.561	.585	.586	.596	.589	.591	.588	.577	.561	.542	.522	.527	.526	.509	.529	.551	.571	.572	.572	.562	.561
„ 15,...	.560	.548	.534	.521	.528	.539	.560	.553	.562	.565	.558	.541	.516	.497	.486	.479	.466	.485	.509	.521	.536	.546	.542	.519	.528
„ 16,...	.499	.491	.488	.487	.491	.497	.507	.509	.520	.520	.512	.512	.518	.502	.486	.485	.471	.473	.494	.513	.523	.538	.539	.532	.504
„ 17,...	.528	.513	.515	.518	.526	.535	.552	.563	.570	.569	.564	.554	.539	.524	.521	.508	.514	.519	.538	.561	.584	.593	.599	.582	.545
„ 18,...	.552	.562	.558	.550	.543	.550	.556	.564	.572	.576	.567	.571	.546	.525	.504	.478	.483	.497	.500	.518	.527	.530	.525	.507	.536
„ 19,...	.490	.462	.440	.437	.440	.435	.438	.448	.466	.469	.473	.458	.442	.422	.414	.387	.385	.402	.417	.431	.438	.452	.441	.428	.438
„ 20,...	.415	.411	.417	.422	.421	.431	.435	.458	.475	.488	.489	.481	.473	.466	.468	.469	.466	.478	.499	.513	.514	.520	.539	.539	.470
„ 21,...	.530	.533	.523	.530	.541	.562	.572	.583	.587	.600	.588	.573	.563	.560	.537	.537	.549	.551	.576	.589	.593	.611	.613	.597	.567
„ 22,...	.584	.573	.575	.581	.583	.591	.602	.605	.611	.607	.602	.594	.571	.551	.540	.532	.539	.536	.547	.560	.570	.583	.578	.562	.574
„ 23,...	.551	.536	.536	.529	.532	.535	.543	.543	.546	.547	.554	.533	.523	.515	.499	.471	.460	.468	.477	.498	.507	.512	.515	.510	.518
„ 24,...	.498	.492	.492	.487	.487	.494	.508	.522	.531	.522	.536	.542	.530	.508	.506	.504	.496	.503	.503	.515	.532	.540	.555	.560	.515
„ 25,...	.558	.566	.566	.567	.569	.585	.602	.609	.631	.638	.631	.621	.607	.592	.579	.569	.576	.588	.610	.641	.666	.667	.673	.654	.607
„ 26,...	.641	.640	.640	.638	.644	.659	.679	.684	.684	.680	.680	.665	.647	.626	.611	.599	.597	.611	.625	.653	.674	.684	.691	.676	.651
„ 27,...	.653	.639	.636	.631	.618	.627	.624	.632	.635	.635	.633	.627	.617	.601	.579	.554	.552	.552	.567	.599	.617	.628	.622	.616	.612
„ 28,...	.596	.569	.559	.549	.542	.542	.555	.555	.564	.560	.561	.553	.537	.525	.510	.505	.502	.511	.515	.533	.542	.568	.568	.552	.545
„ 29,...	.532	.506	.502	.494	.491	.508	.516	.544	.559	.549	.543	.519	.502	.494	.471	.455	.464	.464	.485	.504	.515	.532	.516	.512	.507
„ 30,...	.487	.460	.444	.423	.414	.426	.434	.436	.434	.427	.422	.392	.373	.350	.325	.303	.300	.318	.331	.360	.367	.386	.385	.366	.390
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,.....	29.580	29.569	29.564	29.564	29.566	29.578	29.591	29.598	29.606	29.607	29.602	29.591	29.576	29.558	29.541	29.529	29.528	29.538	29.553	29.570	29.582	29.595	29.596	29.583	29.574

TABLE II.

TEMPERATURE FOR THE MONTH OF JUNE, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
June 1,	82.3	82.2	81.9	81.5	81.5	79.4	82.6	83.6	85.5	84.8	85.9	86.6	86.1	87.4	87.6	86.1	83.6	82.9	82.0	81.5	81.5	81.5	82.0	81.9	83.4	88.3	79.2
" 2,	81.0	81.1	80.7	80.9	80.1	79.7	80.9	83.8	83.3	86.5	87.0	87.6	87.8	88.7	90.3	88.8	88.4	77.5	77.8	78.4	78.4	78.8	78.5	78.5	82.8	91.1	77.5
" 3,	79.5	79.2	78.8	79.3	79.2	80.6	81.9	80.5	80.5	82.0	84.1	84.9	88.1	89.5	88.9	88.1	87.7	85.8	84.2	84.1	84.0	84.1	84.1	83.8	83.5	90.0	78.3
" 4,	84.2	83.8	83.4	77.7	78.9	78.1	78.0	78.8	78.7	78.4	79.2	81.4	81.5	84.5	84.0	85.0	84.6	83.6	82.4	81.5	81.1	81.1	81.8	80.6	81.3	86.6	76.9
" 5,	80.2	79.9	80.0	79.9	79.6	80.1	83.3	82.8	82.5	84.2	85.0	84.4	87.5	88.6	89.0	83.0	82.6	82.8	82.3	81.6	81.5	79.2	78.9	78.9	82.4	91.0	78.6
" 6,	79.2	80.0	80.4	79.7	78.4	77.4	77.5	78.3	78.5	79.3	80.4	80.4	81.7	80.8	80.6	79.7	78.2	79.5	79.2	78.8	79.2	79.5	78.8	79.5	79.4	82.3	77.2
" 7,	79.0	77.8	77.9	77.2	78.2	78.6	75.2	74.5	76.1	76.2	76.6	76.7	76.8	76.8	75.2	76.7	76.8	76.8	75.8	76.4	76.5	76.6	76.9	77.5	76.8	80.4	74.2
" 8,	77.8	78.6	78.9	80.1	79.8	81.1	81.0	81.3	83.1	84.2	85.0	85.1	86.3	85.6	85.5	84.5	84.8	83.7	82.8	82.6	82.6	82.5	82.5	82.5	82.6	86.7	77.5
" 9,	82.7	82.4	82.3	82.4	82.4	82.6	82.9	83.1	83.9	84.9	84.8	85.3	85.7	86.3	85.9	86.2	84.6	83.8	83.1	82.8	82.5	82.4	82.7	82.7	83.7	87.7	82.3
" 10,	82.8	82.6	82.6	81.4	82.5	82.5	83.4	83.7	85.1	86.2	87.3	87.1	86.8	86.8	87.5	86.5	85.7	84.8	83.6	83.1	82.0	81.6	81.2	81.9	84.1	88.1	80.8
" 11,	82.4	82.8	82.6	82.2	82.6	82.4	83.4	84.6	84.7	86.1	87.3	87.8	88.2	87.8	88.3	87.8	84.8	84.1	83.8	83.0	82.7	82.8	82.5	82.7	84.5	89.2	81.8
" 12,	82.0	82.0	82.0	81.8	81.5	81.7	82.8	84.8	84.8	84.7	86.8	87.6	88.4	87.1	88.1	87.0	85.0	84.2	83.6	83.1	83.1	83.0	82.9	82.8	84.2	89.1	81.4
" 13,	82.6	82.5	82.9	82.8	81.8	80.9	81.5	83.0	83.8	86.1	86.1	87.0	87.8	87.8	87.8	86.0	85.0	84.1	83.7	83.4	83.4	83.5	83.4	83.3	84.2	88.6	79.6
" 14,	82.8	82.9	82.6	82.6	81.7	81.5	82.4	84.8	85.0	85.8	86.8	88.0	87.6	86.4	87.4	84.8	83.9	82.1	82.0	81.4	81.5	81.2	80.7	80.5	83.6	89.0	80.5
" 15,	81.0	80.9	81.8	82.3	82.0	82.4	83.2	84.1	83.6	85.2	82.0	85.5	85.3	85.5	85.5	85.8	84.1	83.3	83.0	83.1	82.9	82.8	83.0	83.1	83.4	87.0	80.4
" 16,	83.5	83.4	83.6	77.8	77.5	77.9	78.6	78.8	82.4	85.3	84.8	75.5	79.7	80.2	81.4	81.9	82.8	82.6	81.7	80.4	80.3	80.2	80.3	80.1	80.9	87.5	73.6
" 17,	76.8	77.6	77.7	77.4	77.7	77.7	77.8	77.5	78.7	79.7	80.6	79.1	82.3	81.9	81.9	81.3	80.7	80.6	79.1	79.1	78.3	78.3	76.3	76.5	78.9	84.2	75.9
" 18,	76.6	76.3	76.2	76.0	76.1	76.5	75.7	75.2	77.1	77.3	76.5	75.7	75.7	76.3	76.9	76.6	75.8	76.7	76.3	76.3	76.4	77.2	76.9	76.5	76.4	78.3	75.2
" 19,	76.0	76.3	76.4	76.5	76.8	76.9	76.7	76.9	77.4	77.5	77.8	79.2	83.9	84.1	84.2	84.1	83.7	83.5	83.2	81.1	83.4	83.3	82.8	83.3	80.2	84.3	76.0
" 20,	81.5	77.5	77.3	76.5	76.9	77.0	77.4	77.9	78.0	78.2	78.8	78.0	77.8	78.4	79.8	79.7	79.8	79.8	79.6	77.4	77.4	77.4	77.5	76.7	78.2	83.2	76.4
" 21,	76.8	76.8	77.3	77.3	77.5	77.7	77.8	79.8	80.6	78.0	78.4	80.8	83.5	82.8	82.7	82.1	81.2	81.5	81.2	80.5	80.5	80.3	80.2	80.2	79.8	84.6	76.5
" 22,	80.4	79.9	79.9	80.2	79.5	80.6	81.6	82.6	83.4	84.3	84.3	84.5	85.9	84.9	84.8	84.1	82.6	83.2	82.5	82.1	82.5	82.6	82.6	82.0	82.5	87.6	79.5
" 23,	81.9	82.2	82.4	82.2	82.5	82.8	81.6	81.0	81.5	81.6	78.9	78.0	80.6	81.6	81.9	82.2	82.5	82.3	82.8	82.8	82.5	82.9	82.8	82.5	81.8	83.0	77.5
" 24,	81.5	81.7	81.4	81.5	80.8	82.0	82.6	82.8	83.6	83.1	80.5	79.5	78.7	81.3	82.7	82.4	83.0	82.2	81.0	80.5	80.1	79.7	79.5	79.5	81.3	83.9	78.7
" 25,	79.2	79.2	79.5	79.4	79.7	79.8	79.3	80.8	78.0	82.4	82.5	82.9	83.5	84.6	84.0	83.9	82.2	81.8	81.5	81.5	81.4	81.1	80.5	80.6	81.2	85.3	76.8
" 26,	80.5	80.4	80.3	80.0	80.0	79.7	79.4	81.1	80.7	83.0	81.1	83.1	83.8	84.0	83.7	82.6	81.9	81.7	81.2	80.7	81.1	81.5	81.5	80.5	81.4	85.2	77.8
" 27,	79.9	80.7	80.0	79.8	80.2	78.9	81.6	82.9	83.2	83.5	83.8	83.7	79.3	81.5	78.0	82.1	82.5	82.3	81.2	81.2	81.0	80.3	80.5	80.5	81.2	85.6	77.8
" 28,	80.5	80.1	80.4	80.8	80.8	81.2	82.0	83.3	83.2	82.8	84.8	85.1	82.0	80.6	83.3	77.7	80.5	81.8	81.6	81.3	81.5	82.1	81.7	81.5	81.7	86.0	77.7
" 29,	81.5	81.6	81.5	80.9	81.0	81.7	82.8	81.5	79.0	82.3	84.2	83.7	84.5	82.5	82.3	80.8	81.8	81.4	81.2	81.0	81.7	81.3	81.6	78.6	81.7	85.0	77.9
" 30,	78.7	80.1	78.5	80.4	81.6	81.6	80.5	80.5	80.6	79.1	77.9	79.2	78.5	80.2	81.3	82.7	80.8	80.0	80.6	81.4	80.8	80.8	79.5	79.8	80.2	82.7	78.3
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,	80.5	80.4	80.4	80.0	80.0	80.0	80.5	81.1	81.7	82.4	82.6	82.8	83.5	83.8	84.0	83.3	82.7	82.0	81.5	81.1	81.1	81.0	80.8	80.6	81.6	86.1	78.1

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF JUNE, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
June 1, ...	79.4	79.0	78.5	78.3	78.0	76.3	77.8	77.5	78.6	77.8	77.8	76.9	77.6	77.1	76.4	76.4	76.8	76.8	77.6	77.6	77.9	77.7	77.3	77.4	77.6	138.4
„ 2, ...	77.4	76.6	76.6	76.3	76.0	76.1	76.4	77.7	78.5	78.1	77.8	79.4	79.5	79.7	77.2	78.2	78.8	76.0	75.7	75.6	75.7	75.8	75.7	76.4	77.1	144.2
„ 3, ...	75.9	75.7	74.9	75.7	74.9	76.6	76.9	77.0	77.0	77.6	79.0	79.4	80.3	80.5	80.7	80.1	79.6	79.6	78.5	79.2	79.7	80.0	80.1	80.3	78.3	138.8
„ 4, ...	79.9	79.8	79.6	75.9	76.5	75.2	76.1	75.8	75.8	77.4	77.6	77.9	77.6	79.7	78.7	78.6	78.4	77.9	78.8	79.0	78.2	78.5	78.3	78.2	77.9	138.4
„ 5, ...	77.9	77.9	78.5	77.7	78.1	78.5	78.8	78.8	78.6	78.6	78.9	79.3	80.0	79.5	78.5	77.7	77.8	78.3	78.8	78.6	78.6	77.2	75.7	76.4	78.3	144.0
„ 6, ...	77.0	77.9	78.2	78.3	77.0	75.2	75.8	76.0	76.6	76.3	75.9	75.8	76.0	76.0	76.6	76.4	76.1	76.0	76.1	75.9	76.3	76 2	77.3	76.0	76.5	120.5
„ 7, ...	76.5	76.6	76.0	76.1	76.6	76.7	74.6	74.3	75.3	74.9	75.4	74.9	74.3	74.1	74.5	74.8	74.5	74.2	73.8	74.6	75.2	74.9	75.6	76.0	75.2	85.9
„ 8, ...	76.7	77.2	77.6	77.9	77.7	78.2	78.1	76 2	79.2	78.8	79.9	78.5	79.8	78.9	78.8	78.4	78.5	77.9	78.0	77.9	78.4	77.6	77.8	78.1	78 2	141.1
„ 9, ...	77.5	77.6	77.3	77.4	77.5	77.5	77.7	78.5	78.1	77.9	78.7	79.4	79.3	79.8	78.9	79.4	78.7	78.3	78.0	78.3	78.2	78.5	78.4	78.2	78.3	149.3
„ 10, ...	78.4	78.2	78.0	78.8	78.4	78.6	79.1	79.1	79.4	79.4	79.9	78.9	78.4	78.8	78.8	78.4	77.8	78.0	77.8	78.4	79.1	78.7	78.4	77.6	78.6	139.3
„ 11, ...	77.7	77.9	77.9	78.0	78.4	78.3	78.7	79.0	78.9	79.0	79.6	78.8	78.6	78.8	80.0	79.7	78.7	78.5	78.0	78.1	78.2	77.8	77.9	78.1	78.5	141.6
„ 12, ...	78 2	78.3	78.3	78.1	78.1	78.6	79.0	78.2	78.8	79.0	79.8	79.6	79.5	78.5	79.4	79.1	78.4	78.2	78.5	78.0	78.1	78.2	78.5	78.3	78.6	141.4
„ 13, ...	78.6	78.5	78.2	78.0	78.3	78.0	78.0	79.1	79.0	80.0	80.2	79.6	80.0	80.3	80.2	79.5	79.5	79.5	79.3	79.4	79.1	79.0	79.3	78.6	79.1	147.1
„ 14, ...	79 4	79.0	78.6	78.5	78.3	78.5	78.6	79.8	80.2	80.1	80.1	79.7	78.8	79.5	79.9	79.1	79.6	75.8	76.0	75.6	76.0	76.3	76.2	76.3	78.3	141.5
„ 15, ...	76.9	78.0	78.3	78.2	78.1	78.2	78.6	78.6	78.8	78.8	78 5	79.8	78.8	77.0	78.5	79.6	78.8	78.4	78.2	78.2	78.3	79.0	79.1	79.6	78.5	135.6
„ 16, ...	79.6	78.9	79.0	76.4	76.6	76.9	77.0	76 9	76.9	80.1	79.1	75.1	75.8	76.9	77.9	77.9	78.5	77.8	77.8	77.8	77.4	78.1	78.0	78.1	77.7	143.5
„ 17, ...	75.8	76.5	76.5	76.2	76.2	76.5	75.8	75.4	76.3	77.3	77.3	77.4	78.5	77.0	77.0	77.4	76.8	76.7	75.9	75.6	75.3	75.2	75.2	74.6	76.4	141.6
„ 18, ...	74.3	74.3	74.2	74.1	74.2	74.4	74.3	74.3	74.3	74.3	73.6	74.2	74.5	74.3	74.5	74.2	74.6	74.6	74.6	74.8	74.9	75.9	75.6	74.9	74.5	117.3
„ 19, ...	75.2	74.9	75.1	75.1	75.5	75.6	75.6	75.6	76.0	75.9	76.1	77.1	79.5	79.5	79.5	78.4	78.7	78.8	79.2	78.9	79.0	79.0	78.7	78.5	77.3	104.4
„ 20, ...	78.9	76.9	76.8	75.7	76.4	76.3	76.6	76.9	76.8	77.0	77.3	77.9	76.8	76.8	77.9	77.8	76.7	76.9	76.6	76.3	75.3	75.6	75.6	75.6	76.7	98.9
„ 21, ...	75.2	75.4	75.6	75.6	76.0	76.2	76.4	76.9	77.2	77.0	76.9	78.1	77.8	76.8	77.3	77.4	77.7	77.6	76.8	75.8	76.0	76.5	76.3	76.5	76.6	143.5
„ 22, ...	76.7	76.3	76.5	76.7	76.5	76.7	77.0	78.1	78.0	77.5	77.2	78.1	78.9	77.8	78.5	79.2	78.6	78.4	78.4	78.1	78.1	78.2	78.1	78.3	77.7	148.6
„ 23, ...	78.2	78.4	78.5	78.1	78.4	78.7	78.9	76.7	77.6	78.6	76.9	76.6	78.1	77.5	78.0	78.3	78.3	78.4	78.5	78.8	79.3	78.8	78.7	79.0	78.2	109.5
„ 24, ...	79.5	79.4	79.0	78.2	78.9	78.8	78.6	78.6	79.3	79.0	78.2	77.3	77.9	79.6	79.6	79.6	79.7	79.2	79.1	78.8	78.8	78.6	78.5	78.6	78.9	120.8
„ 25, ...	78.3	78.4	78.6	78.8	78.9	79.0	78.0	79.1	77.1	78.8	77.2	78.7	79.7	79.9	80.0	80.4	79.8	79.6	79.5	79.7	79.6	79.4	79.2	79.3	79.0	141.5
„ 26, ...	79.2	78.7	78.3	77.7	78.1	77.2	76.5	78.4	78.3	78.7	78.5	78.8	79.1	78.7	79.0	78.7	78.6	78.8	78.1	78.5	78.7	78.6	78.5	78.5	78.4	137.8
„ 27, ...	77.6	78.3	78.1	77.8	78.0	76.6	77.8	79.0	79.2	79.0	79.0	78.8	77.3	77.6	76.6	78.9	78.4	78.2	78.3	78.0	78.3	77.8	77.8	77.6	78.1	141.5
„ 28, ...	77.7	77.5	77.0	77.2	76.8	76.7	76.9	77.9	77.4	77.4	77.4	77.4	76 9	75.4	76.4	74.4	75.0	73.8	74.2	76.0	75.8	76.0	77.2	77.2	76.5	146.3
„ 29, ...	76.8	76.0	76.0	75.4	74.4	74.3	75.0	75.7	76.1	76.8	76.6	75.6	76.8	76.3	76.8	76.0	75.9	75.9	76.0	75.2	75.0	74.9	74.6	74.9	75.7	147.6
„ 30, ...	75.3	75.4	75.0	74.9	74.2	74.4	75.5	75.7	76.3	77.4	76.8	77.2	77.3	77.2	77.4	77.4	77.4	77.6	77.5	77.8	77.9	77.8	76.9	76.9	76.6	128.2
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	77.5	77.5	77.4	77.0	77.0	77.0	77.1	77.4	77.7	78.0	77.9	77.9	78.1	78.0	78.1	78.0	77.9	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6	134.0

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JUNE, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	87	0.906	June 1,.....	76	0.869
2 „	87	.907	„ 2,.....	76	.855
3 „	87	.902	„ 3,.....	78	.900
4 „	87	.890	„ 4,.....	85	.911
5 „	87	.890	„ 5,.....	83	.914
6 „	87	.890	„ 6,.....	87	.875
7 „	85	.887	„ 7,.....	93	.854
8 „	84	.893	„ 8,.....	81	.907
9 „	83	.898	„ 9,.....	77	.897
10 „	81	.901	„ 10,.....	77	.905
11 „	80	.895	„ 11,.....	75	.895
Noon.	79	.892	„ 12,.....	77	.904
1 p.	77	.892	„ 13,.....	79	.927
2 „	76	.883	„ 14,.....	78	.898
3 „	75	.885	„ 15,.....	79	.910
4 „	78	.890	„ 16,.....	86	.908
5 „	80	.893	„ 17,.....	89	.877
6 „	81	.885	„ 18,.....	91	.830
7 „	83	.891	„ 19,.....	87	.900
8 „	85	.897	„ 20,.....	93	.900
9 „	85	.897	„ 21,.....	86	.874
10 „	85	.899	„ 22,.....	80	.886
11 „	86	.901	„ 23,.....	85	.918
Midt.	87	.904	„ 24,.....	89	.957
			„ 25,.....	90	.963
			„ 26,.....	87	.933
			„ 27,.....	87	.922
			„ 28,.....	78	.844
			„ 29,.....	75	.809
			„ 30,.....	85	.869
Means,.....	83	0.894	Means.	83	0.894

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
June 1,.....	0.1	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	10.3
„ 2,.....	0.1	0.1	1.0	1.0	1.0	0.8	0.9	1.0	1.0	1.0	1.0	1.0	...	9.9
„ 3,.....	...	0.1	...	...	...	0.4	1.0	1.0	0.9	1.0	1.0	0.9	...	6.3
„ 4,.....	...	...	...	...	...	...	...	...	0.6	0.5	0.9	1.0	0.1	3.1
„ 5,.....	0.3	0.8	...	0.6	0.8	1.0	0.9	1.0	0.9	0.7	...	...	...	7.0
„ 6, ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,.....	...	...	...	0.1	0.3	0.3	0.9	1.0	0.9	0.9	0.9	0.8	0.3	6.4
„ 9,.....	...	...	0.1	...	...	0.4	0.3	...	0.5	0.7	0.6	0.2	...	2.8
„ 10,.....	...	0.3	0.5	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	10.2
„ 11,.....	...	0.3	0.9	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	10.4
„ 12,.....	0.1	0.3	1.0	0.7	0.7	1.0	1.0	1.0	1.0	1.0	0.9	...	...	8.7
„ 13,.....	...	0.4	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.9	0.1	...	9.1
„ 14,.....	...	0.2	0.8	1.0	0.5	0.7	0.9	0.7	0.6	0.1	...	...	...	5.5
„ 15,.....	...	...	...	...	...	...	...	0.7	0.9	0.9	0.5	...	...	3.0
„ 16,.....	...	...	...	0.3	0.8	0.9	0.1	...	...	...	...	...	...	2.1
„ 17,.....	...	...	...	...	...	...	...	0.4	0.6	0.6	0.2	0.1	0.3	2.2
„ 18,.....	...	...	...	0.1	...	...	...	...	...	...	...	...	...	0.1
„ 19,.....	...	...	...	...	...	...	...	..	...	...	...	...	...	...
„ 20,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,.....	...	...	...	...	...	...	...	0.1	0.4	0.2	...	...	0.3	1.0
„ 22,.....	...	...	0.1	...	0.4	0.4	0.5	0.9	1.0	0.9	0.6	...	...	4.8
„ 23,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,.....	...	...	...	...	...	...	...	...	...	0.2	0.5	0.3	0.1	1.1
„ 25,.....	...	...	0.1	...	0.8	0.9	1.0	1.0	0.9	0.6	0.6	...	...	5.9
„ 26,.....	...	...	...	...	0.3	0.1	0.8	0.8	0.9	0.6	...	0.6	0.2	4.3
„ 27,.....	...	0.8	0.8	0.8	0.9	0.5	0.7	0.2	0.2	0.6	1.0	0.8	0.2	7.5
„ 28,.....	...	0.9	1.0	0.9	0.3	0.8	1.0	0.9	0.4	0.7	0.3	0.6	0.3	8.1
„ 29,.....	0.4	0.8	0.1	0.3	0.8	0.8	0.8	0.9	...	...	...	...	...	4.9
„ 30,.....	...	...	...	...	...	...	...	0.2	0.1	0.1	...	...	...	0.4
								...						
Sums,.....	1.0	5.8	8.3	9.6	11.5	13.0	14.8	15.8	15.8	15.1	12.9	8.8	2.7	135.1

TABLE VI.

RAINFALL FOR THE MONTH OF JUNE, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
June 1,	...	...	...	0.040	0.015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.055	1
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.085	...	...	...	...	...	...	0.085	1
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,	...	...	...	0.180	...	0.020	...	0.040	0.040	0.025	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.305	7
„ 5,	...	...	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...
„ 6,	...	...	0.040	0.240	0.320	0.150	0.010	...	...	...	...	0.005	...	...	...	0.010	0.020	0.005	...	...	...	...	0.005	...	0.805	7
„ 7,	0.015	0.220	0.175	0.805	0.325	0.200	0.845	0.155	0.090	0.045	0.130	0.035	0.045	0.160	0.030	0.005	0.170	0.050	0.005	...	...	...	...	...	3.505	16
„ 8,	...	...	...	0.270	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.270	2
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	0.030	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.030	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	..	...	0.055	0.035	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.090	1
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	0.030	...	...	...	...	...	...	...	0.035	0.305	...	...	...	...	...	..	...	...	...	...	...	...	...	0.370	1
„ 16,	...	...	...	0.660	0.190	0.090	0.010	...	...	...	...	0.345	...	...	...	...	...	...	...	...	...	...	...	0.550	1.845	5
„ 17,	...	...	...	...	...	0.015	0.055	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.035	0.005	0.110	8
„ 18,	...	...	...	...	...	...	...	0.010	...	...	...	...	0.025	...	...	0.010	...	...	...	0.005	...	...	...	...	0.050	9
„ 19,	0.005	...	...	...	...	0.010	0.015	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.035	7
„ 20,	0.185	0.295	0.550	0.380	0.075	0.010	0.005	...	...	0.025	...	0.210	0.110	0.005	...	...	...	...	0.020	...	...	...	...	...	1.870	14
„ 21,	...	...	...	...	0.005	...	...	...	...	0.330	...	...	...	...	...	...	...	...	...	...	...	..	...	...	0.335	1
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	...	...	...	...	...	...	...	...	0.020	1
„ 23,	...	...	0.010	...	...	0.010	0.130	0.030	0.030	0.325	0.190	0.030	0.025	...	...	...	...	...	...	...	...	...	...	...	0.860	6
„ 24,	...	...	...	...	0.155	...	0.005	...	...	...	0.050	0.430	0.490	...	...	...	...	...	...	...	...	...	0.010	0.010	1.150	5
„ 25,	...	...	...	...	0.020	0.190	0.160	0.220	0.040	...	...	0.005	...	...	...	0.005	...	...	...	...	...	...	...	...	0.640	4
„ 26,	...	...	...	...	...	0.035	0.210	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.245	1
„ 27,	...	...	...	...	0.015	0.005	...	...	...	...	0.010	0.005	0.125	0.185	0.095	...	...	...	...	...	0.135	...	...	0.005	0.580	4
„ 28,	0.015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.060	...	...	...	...	...	...	...	...	0.075	3
„ 29,	...	...	...	...	...	...	...	0.005	0.045	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.025	0.075	1
„ 30,	0.045	...	0.015	...	...	...	0.010	0.015	...	0.095	0.215	0.095	0.070	0.010	0.050	0.075	0.015	0.035	0.015	0.010	...	0.035	0.005	0.030	0.840	10
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
Sums,	0.265	0.545	0.790	2.605	1.175	0.770	1.455	0.480	0.280	0.880	0.900	1.210	0.890	0.360	0.175	0.185	0.205	0.175	0.040	0.015	0.135	0.035	0.055	0.625	14.250	115

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF JUNE, 1898.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
June 1.	7	8	7	14	5	14	7	11	7	16	8	11	5	14	7	18	8	17	9	14	9	19	10	20	10	19	10	10	11	13	9	16	9	12	9	8	9	13	8	9	9	11	6	12	7	16	7	20	335	14.0	8
" 2,	6	14	7	14	7	10	5	7	3	4	...	1	3	3	11	7	25	9	21	5	21	9	22	13	22	13	22	15	22	14	23	17	23	17	8	26	8	16	9	10	6	5	...	1	...	0	...	0	230	9.6	15
" 3,	8	8	8	15	8	11	7	6	7	7	6	2	29	4	13	4	26	4	25	7	21	15	20	17	21	14	21	12	21	10	18	16	19	19	19	20	19	17	18	11	19	11	19	20	20	20	20	20	290	12.1	19
" 4,	19	22	19	26	20	27	28	14	1	4	20	12	16	6	15	7	18	9	23	7	23	7	24	11	23	10	23	8	27	7	21	8	22	6	23	4	10	2	10	2	10	2	...	1	...	1	...	0	203	8.5	21
" 5,	9	3	...	1	...	1	30	2	...	0	...	0	30	3	10	5	8	6	10	4	12	7	7	11	9	6	15	10	16	9	13	9	10	5	6	3	10	4	9	7	8	12	8	27	7	22	7	20	177	7.4	9
" 6,	7	19	8	19	9	18	13	10	7	3	5	7	6	4	10	4	8	12	8	11	7	11	8	14	8	16	8	18	9	17	8	16	7	19	11	18	10	19	10	21	9	22	9	18	9	12	10	12	340	14.2	9
" 7,	8	14	7	8	13	14	3	5	16	7	15	12	22	16	28	3	11	8	12	5	11	8	8	10	13	10	13	6	14	3	6	2	14	7	13	4	4	4	7	8	7	7	7	10	8	14	7	16	201	8.4	10
" 8,	9	16	10	10	10	8	15	8	15	10	16	12	15	12	16	11	17	18	17	17	17	23	17	26	18	19	17	23	18	27	17	26	13	22	17	21	17	19	17	13	17	9	17	11	16	9	16	13	383	16.0	16
" 9,	17	14	18	15	19	17	19	15	19	19	18	23	19	21	19	20	18	14	18	16	18	21	19	16	18	16	18	21	19	23	19	21	18	18	18	16	19	14	20	8	19	9	17	9	18	12	18	10	388	16.2	18
" 10,	17	13	18	11	19	15	20	17	19	20	21	19	21	15	21	16	21	18	19	15	20	19	21	19	19	19	18	17	19	13	19	10	19	12	19	8	20	10	21	9	23	5	24	2	17	4	18	7	313	13.0	20
" 11,	18	9	17	11	19	16	21	15	19	15	20	11	19	14	22	12	20	13	21	18	21	17	21	19	19	15	20	15	20	13	19	13	19	16	20	12	18	9	19	7	20	6	17	10	18	9	19	9	304	12.7	20
" 12,	21	11	21	15	21	14	21	11	20	8	22	7	23	7	19	13	19	14	21	12	21	10	21	11	21	15	18	14	19	15	17	16	17	13	19	14	19	12	19	9	18	7	16	4	17	5	18	9	266	11.1	20
" 13,	18	10	19	10	17	12	18	11	19	16	20	11	21	9	21	16	19	14	20	15	19	18	19	25	19	22	18	20	18	18	18	16	19	13	21	7	17	6	22	5	19	7	18	5	17	8	19	11	305	12.7	19
" 14,	19	11	20	12	20	12	20	13	19	12	26	9	20	11	19	11	21	11	20	12	20	12	20	12	18	12	17	10	20	8	22	8	22	8	3	6	10	5	9	10	8	6	8	9	8	12	8	13	245	10.2	18
" 15.	5	6	3	6	15	9	16	10	15	9	16	6	16	8	18	9	16	6	17	6	21	7	19	11	18	9	18	16	19	15	19	12	17	11	19	7	18	9	19	7	17	7	17	7	16	7	16	16	216	9.0	17
" 16,	15	13	17	16	19	16	28	13	26	3	...	1	...	0	...	1	29	3	30	4	25	7	23	18	20	2	22	7	26	9	21	7	24	2	18	3	9	7	9	7	8	7	7	5	7	8	9	11	170	7.1	20
" 17,	30	6	12	2	18	4	24	2	24	4	24	2	24	2	...	0	...	1	24	3	24	5	25	9	23	9	23	15	22	14	24	12	23	10	24	8	24	7	2	7	7	8	6	15	7	16	7	22	183	7.6	25
" 18,	7	22	7	17	7	21	6	21	6	20	6	21	7	23	7	24	7	27	7	25	7	25	7	18	8	21	7	26	7	27	7	26	7	21	6	19	6	17	6	21	7	18	7	19	8	24	7	21	524	21.8	7
" 19,	8	25	8	24	8	22	9	19	8	19	8	19	8	17	7	19	7	16	7	18	5	15	6	8	19	13	19	17	18	26	18	23	18	27	18	23	18	36	18	31	18	27	18	24	18	32	18	32	532	22.2	14
" 20,	19	28	25	16	26	13	24	10	23	3	23	5	23	5	23	8	22	7	22	5	23	4	26	9	22	2	...	1	...	1	...	1	23	7	23	6	21	15	23	12	26	6	15	5	15	3	15	3	175	7.3	23
" 21.	15	2	...	0	12	2	...	1	6	3	13	4	14	4	...	1	14	2	21	3	21	3	14	3	23	6	18	12	19	14	17	9	16	7	17	8	18	9	20	10	20	13	19	13	18	11	18	9	149	6.2	18
" 22,	19	10	19	7	20	9	19	11	21	7	18	8	19	10	20	7	20	4	20	7	18	11	18	12	18	14	19	7	18	12	17	13	18	15	18	11	18	9	18	12	19	11	18	10	17	12	17	10	239	10.0	18
" 23,	17	10	17	14	18	14	19	16	19	20	19	18	19	20	18	21	18	21	18	19	22	13	9	8	19	17	18	18	18	16	19	12	18	7	17	9	15	6	17	5	15	4	17	9	18	8	18	7	312	13.0	18
" 24,	15	6	16	7	16	7	19	8	16	13	17	16	17	16	18	17	19	15	19	8	16	8	30	8	32	5	2	3	7	4	7	5	13	7	15	7	14	6	12	5	9	4	9	10	8	13	9	9	207	8.6	15
" 25,	9	10	9	9	7	10	7	8	6	7	10	7	18	7	8	16	32	5	5	5	7	10	7	15	7	14	8	15	8	18	8	16	9	18	9	18	8	17	8	16	8	15	8	14	9	12	8	11	293	12.2	8
" 26,	9	13	9	8	10	6	8	7	10	5	6	5	6	7	6	5	10	6	7	12	9	10	9	9	9	13	9	15	9	14	9	16	9	15	10	13	6	10	6	12	7	12	8	16	8	19	8	15	263	11.0	8
" 27,	7	13	7	15	7	14	7	9	6	11	8	12	6	9	6	15	7	17	8	20	8	21	9	17	6	17	7	11	9	13	8	14	10	16	7	13	6	13	8	12	8	16	8	12	6	15	5	12	337	14.0	7
" 28.	6	16	6	15	6	15	4	15	5	16	5	18	5	23	6	23	6	27	7	23	6	28	6	28	5	26	7	24	5	23	5	20	7	28	10	25	7	20	7	18	6	26	7	25	6	25	7	28	535	22.3	6
" 29,	6	28	6	28	6	30	6	29	5	25	4	18	6	27	6	27	5	28	5	26	6	29	7	32	6	29	6	34	6	36	6	35	6	37	6	32	6	32	6	33	5	34	5	33	5	36	4	31	729	30.4	6
" 30,	4	28	4	23	3	24	4	31	5	31	5	34	4	35	4	32	4	35	4	29	4	30	5	34	5	34	4	39	5	44	5	46	5	45	7	41	9	45	8	44	9	41	10	41	10	41	10	44	871	36.3	6
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	408	...	388	...	405	...	355	...	337	...	331	...	352	...	372	...	387	...	371	...	422	...	463	...	437	...	459	...	476	...	461	...	460	...	410	...	408	...	381	...	368	...	397	...	426	...	441	9715	404.8	...
Means,	...	13.6	...	12.9	...	13.5	...	11.8	...	11.2	...	11.0	...	11.7	...	12.4	...	12.9	...	12.4	...	14.1	...	15.4	...	14.6	...	15.3	...	15.9	...	15.4	...	15.3	...	13.7	...	13.6	...	12.7	...	12.3	...	13.2	...	14.2	...	14.7	323.8	13.5	...

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
June 1, ...	8	cum.	E	7	cum.	...	8	c-cum. / cum.	ENE	1	cum.	E
„ 2, ...	8	cum.	E	1	cum.	NE	9	c-cum. / cum.	NNE	7	cum.	N
„ 3, ...	10	cum.	E	10	cum.	...	8	c-str. / cum.	...	10	c-cum. / cum.	WSW / ..
„ 4, ...	7	cum.	SW	10	nim.	...	10	nim.	WNW	10	nim.	W
„ 5, ...	6	cum.	SSW	5	cum.	SSW	10	c-cum. / sm-cum. / cum.	SSW	6	c-cum. / cum.	SSW
„ 6, ...	10	nim.	...	10	nim.	...	10	nim.	S	10	sm-cum. / cum.	W / SSE
„ 7, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	nim.	SE
„ 8, ...	10	cum-nim.	...	10	nim.	...	10	sm-cum. / cum.	SSW	10	sm-cum. / cum.	SSW
„ 9, ...	9	cum.	SSW	9	cum.	SW	8	sm-cum. / cum.	SW	9	sm-cum. / cum.	W / SSW
„ 10, ...	9	cum.	SSW	9	cum.	SSW	7	sm-cum. / cum.	SW	5	c-cum. / sm-cum. / cum.	SW
„ 11, ...	9	cum.	SW	9	cum.	SW	8	sm-cum. / cum.	SW	5	c-cum. / cum.	SW
„ 12, ...	9	cum.	SW	4	cum.	SW	9	c-str. / cum.	WSW	8	c-str. / cum.	SW
„ 13, ...	8	cum.	SW	9	cum.	SW	8	c-cum. / cum.	SW	6	sm-cum. / cum.	NNE / SW
„ 14, ...	7	cum.	SSW	9	cum.	SSW	9	c-cum. / cum.	SW	9	c-str. / cum.	SW
„ 15, ...	8	cum.	SSW	8	cum.	S	9	c-cum. / cum.	SSW	10	c-str. / cum.	SSW
„ 16, ...	10	nim.	...	10	nim.	...	10	cum-nim.	SW	8	c-cum. / sm-cum. / cum.	.. / WSW / SW
„ 17, ...	10	nim.	...	10	nim.	...	10	nim.	...	10	str-cum.	...
„ 18, ...	5	cum.	...	10	nim.	...	10	nim.	E	10	nim.	E
„ 19, ...	6	nim.	E	10	nim.	E	10	nim.	SW	10	R-cum.	SW
„ 20, ...	10	nim.	...	10	nim.	...	10	nim.	WSW	10	nim.	WSW
„ 21, ...	9	cum.	...	9	cum.	...	9	sm-cum. / cum.	WSW	10	nim.	...
„ 22, ...	8	cum.	SSW	4	cum.	SSW	8	sm-cum. / cum.	SW	6	c-cum. / cum.	SW
„ 23, ...	9	cum.	SSW	10	cum-nim.	...	10	nim.	SW	10	cum-nim.	SW
„ 24, ...	9	nim.	...	10	cum-nim.	...	10	nim.	SSW	10	nim.	SW
„ 25, ...	4	cum.	...	9	cum-nim.	...	10	cum-nim.	SSE	8	c-cum. / cum.	...
„ 26, ...	9	nim.	...	6	cum.	E	10	c-cum. / cum.	ESE	9	c-str. / cum.	E
„ 27, ...	4	cum.	E	5	cum.	E	10	c-str. / cum.	ENE	8	c-str. / cum.	E
„ 28, ...	8	nim.	...	9	cum.	E	10	c-str. / cum.	E	10	R-cum.	E
„ 29, ...	6	c-cum. / cum.	E	1	cum.	...	3	c-cum. / cum.	ENE	9	c-cum. / cum.	ENE
„ 30, ...	10	nim.	E	10	cum-nim.	E	10	c-cum. / cum.	ENE	10	nim.	ENE
.....	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	8.2	...	...	8.1	...	...	9.1	...	...	8.5	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
June 1,...	1	cum.	...	1	c-cum.	...	7	c-cum. / cum.	...	3	c-cum. / cum.	...	4.5
„ 2,...	4	c-cum. / cum.	NNE	7	c-cum. / cum-str.	N	10	cum-nim.	N	10	c-str. / sm-cum.	NE	7.0
„ 3,...	9	c-str. / cum.	W	8	c-str. / cum.	W	9	c-str. / cum.	W	5	c-str. / cum.	WSW	8.6
„ 4,...	9	str-cum.	...	9	c-str. / c-cum. / cum.	W	10	c-str. / cum.	W	10	c-cum. / cum.	WSW	9.4
„ 5,...	7	c-cum. / cum.	S	10	c-cum. / cum.	S	10	cum.	...	10	nim.	SSE	8.0
„ 6,...	10	sm-cum. / cum.	S	10	nim.	SSE	10	cum-nim.	SE	10	cum-nim.	...	10.0
„ 7,...	10	nim.	...	10	nim.	SSW	10	cum-nim.	...	7	sm-cum. / cum.	...	9.6
„ 8,...	5	c-str. / cum.	SW	8	c-cum. / cum.	SSW	10	c-cum. / cum.	SW	7	cum.	...	8.7
„ 9,...	9	sm-cum. / cum.	SW	8	sm-cum. / cum.	W / SW	10	sm-cum. / cum.	SW	7	cum.	SW	8.6
„ 10,...	4	c-cum. / cum.	WSW	7	c-cum. / cum.	SW	7	c-cum. / cum.	SW	8	sm-cum. / cum.	...	7.0
„ 11,...	9	c-cum. / cum.	SW	9	c-cum. / cum.	SW	6	c-str. / cum.	SW	5	c-str. / cum.	...	7.5
„ 12,...	9	c-cum. / cum.	SW	9	c-cum. / cum.	SW	9	c-cum. / cum.	...	3	cum.	...	7.5
„ 13,...	7	sm-cum. / cum.	NNE / SW	7	c-cum. / cum.	SW	8	c-cum. / cum.	SW	10	cum.	...	7.9
„ 14,...	9	c-str / cum.	SW	9	c-str. / sm-cum. / cum.	WSW	10	str-cum.	...	3	cum.	...	8.1
„ 15,...	9	c-str. / cum.	SW	9	c-cum. / cum.	SW	10	sm-cum. / cum.	SW	10	cum.	SW	9.1
„ 16,...	10	cum.	WSW	10	str. / cum.	WSW	10	c-cum. / cum.	...	9	cum.	...	9.6
„ 17,...	10	sm-cum. / cum.	NW	9	c-cum. / cum.	WNW	7	c-cum. / cum.	...	10	nim.	...	9.5
„ 18,...	10	nim.	E	10	nim.	E	10	nim.	ENE	10	nim.	...	9.4
„ 19,...	10	nim.	SW	10	cum-nim.	SW	10	cum.	SW	10	nim.	...	9.5
„ 20,...	10	nim.	...	10	str-cum.	WSW	10	cum.	WSW	7	cum.	...	9.6
„ 21,...	9	sm-cum. / cum.	WSW	9	c-cum. / cum.	WSW	9	c-cum. / cum.	SW	9	cum.	SW	9.1
„ 22,...	10	c-cum. / cum.	SW	9	c-cum. / cum.	SW	9	c-cum. / cum.	SW	8	cum.	SW	7.8
„ 23,...	10	nim.	SW	10	str. / cum.	SW	10	cum-nim.	SW	10	cum.	...	9.9
„ 24,...	10	nim.	SW	9	c-cum. / cum.	SSW	10	c-cum. / sm-cum.	...	2	cum.	...	8.8
„ 25,...	7	c-str. / cum.	SSE	5	c-str. / cum.	SE	8	str. / cum.	SE	8	cum.	...	7.4
„ 26,...	10	c-str. / cum.	E	9	c-cum. / cum.	E	7	c-cum. / cum.	E	4	cum.	E	8.0
„ 27,...	10	nim.	ESE	7	c-str. / cum.	ESE	7	c-cum. / cum.	ESE	6	c-str. / cum.	ESE	7.1
„ 28,...	7	c-cum. / cum.	E	8	c-cum. / nim.	E / ENE	4	c-cum. / cum.	ENE	6	c-cum. / cum.	E	7.8
„ 29,...	8	c-cum. / cum.	ENE	10	c-str. / cum.	ENE	10	c-str. / cum.	ENE	10	R-cum.	E	7.1
„ 30,...	10	nim.	ENE	10	nim.	ENE	10	nim.	E	10	nim.	ESE	10.0
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	8.4	...	...	8.5	...	...	8.9	...	...	7.6	...	...	8.4

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF JUNE, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	2.1	7.8	4.9	2.2	− 2.8	+ 5.6	E 27° S
2 „	1.8	7.1	4.4	2.6	2.6	4.5	E 30° S
3 „	2.0	6.6	5.3	3.4	3.3	3.2	E 46° S
4 „	2.9	5.2	3.9	3.5	1.0	1.7	E 29° S
5 „	2.3	5.1	4.6	2.6	2.3	2.5	E 42° S
6 „	2.0	4.7	4.5	2.9	2.5	1.8	E 54° S
7 „	2.5	4.8	4.5	3.4	2.0	1.4	E 54° S
8 „	2.2	6.1	4.6	3.1	2.4	3.0	E 40° S
9 „	2.4	6.0	4.6	3.4	2.2	2.6	E 40° S
10 „	1.9	5.9	4.4	3.6	2.5	2.3	E 47° S
11 „	2.0	6.5	5.1	4.4	3.1	2.1	E 55° S
Noon.	2.0	7.1	5.2	5.4	3.2	1.7	E 61° S
1 p.	2.0	6.2	6.1	4.6	4.1	1.6	E 68° S
2 „	1.9	6.1	7.2	4.3	5.3	1.8	E 71° S
3 „	2.1	6.4	7.2	4.8	5.1	1.6	E 73° S
4 „	1.9	6.8	6.5	4.1	4.6	2.7	E 60° S
5 „	1.8	7.0	6.7	4.0	4.9	3.0	E 59° S
6 „	1.2	7.1	6.1	2.9	4.9	4.2	E 50° S
7 „	1.2	7.3	5.9	2.7	4.7	4.6	E 46° S
8 „	1.3	7.6	4.3	2.5	3.0	5.1	E 30° S
9 „	1.4	7.9	3.7	2.0	2.3	5.9	E 22° S
10 „	1.4	8.5	4.7	1.5	3.3	7.0	E 25° S
11 „	1.6	9.1	4.9	1.6	3.3	7.5	E 24° S
Midt.	1.8	9.0	5.5	1.8	− 3.7	+ 7.2	E 27° S
Means, ...	1.9	6.7	5.2	3.2	− 3.30	+ 3.52	E 43° S

PHENOMENA :—

Solar halo :—on the 4th, 8th, 12th, 14th, 15th, 25th and 26th.

Solar corona :—on the 26th.

Lunar halo :—on the 2nd, 4th, 5th, 6th and 30th.

Lunar corona :—on the 3rd, 25th, 27th and 30th.

Haze :—on the 21st.

Unusual Visibility :—on the 1st.

Rainbow :—on the 1st, 2nd, 13th, 25th, 27th and 28th.

Lightning without thunder :—on the 1st, 10th, 12th, 13th, 14th, 18th, 23rd, 24th, 25th, 26th, 27th, 28th and 29th.

Thunder without lightning :—on the 8th, 9th, 13th, 14th, 23rd, 24th and 25th.

Thunder and lightning :—on the 3rd.

Thunderstorms :—on the 2nd, 3 45 p.—6 p., NE-SE, distant; on the 4th 1.45 a.—10.30 a., N-S, mostly distant, nearest at 2.43 a. (6^s); on the 5th 11.30 p.—6th 5 a., in E, nearest at 3.45 a. (7^s); on the 7th 1 a.—4.20 p., SW-SE, nearest at 3.50 a. (6^s), 2.22 p. (7^s); on the 15th 10 p.—16th 6.50 a., N-S. nearest at 3.9 a. (7^s); on the 16th 11.30 a.—1.15 p., W-E, nearest at 12.30 p. (30^s); on the 19th 11 p.—20th 5.30 a., NW-SE, nearest at 4.8 a. (3^s).

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF JULY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
July 1,...	29.359	29.357	29.355	29.376	29.401	29.439	29.466	29.497	29.518	29.535	29.538	29.544	29.535	29.528	29.527	29.525	29.531	29.546	29.567	29.574	29.597	29.604	29.614	29.608	29.506
,, 2,...	.604	.593	.591	.589	.583	.603	.618	.630	.630	.642	.649	.640	.633	.623	.618	.611	.610	.612	.622	.652	.677	.694	.691	.682	.629
,, 3,...	.668	.650	.649	.648	.644	.651	.660	.663	.672	.679	.694	.694	.684	.672	.654	.643	.637	.662	.679	.707	.723	.737	.734	.733	.677
,, 4,...	.724	.713	.701	.688	.699	.711	.717	.725	.725	.734	.730	.724	.715	.698	.689	.685	.681	.692	.704	.728	.735	.743	.746	.733	.714
,, 5,...	.728	.710	.703	.702	.704	.718	.735	.740	.735	.742	.735	.723	.710	.695	.691	.673	.664	.680	.694	.711	.723	.740	.733	.733	.713
,, 6,...	.728	.710	.701	.706	.713	.726	.730	.740	.751	.754	.746	.740	.721	.709	.696	.692	.686	.687	.691	.709	.723	.737	.744	.742	.720
,, 7,...	.740	.720	.706	.701	.720	.725	.728	.729	.739	.732	.731	.709	.688	.674	.662	.643	.637	.640	.650	.664	.681	.687	.682	.684	.695
,, 8,...	.668	.662	.652	.654	.660	.663	.677	.685	.692	.688	.672	.669	.644	.628	.608	.594	.592	.607	.624	.648	.672	.682	.681	.679	.654
,, 9,...	.662	.655	.654	.661	.679	.686	.700	.708	.717	.725	.721	.714	.709	.702	.688	.688	.698	.707	.727	.748	.767	.788	.798	.792	.712
,, 10,...	.777	.766	.760	.761	.762	.776	.787	.790	.800	.800	.810	.802	.797	.783	.772	.765	.767	.777	.795	.815	.838	.847	.846	.847	.793
,, 11,...	.829	.815	.806	.801	.808	.817	.828	.834	.849	.853	.853	.836	.820	.790	.773	.758	.752	.759	.767	.784	.790	.801	.796	.785	.804
,, 12,...	.771	.759	.748	.753	.766	.779	.793	.804	.803	.801	.784	.772	.759	.741	.725	.708	.698	.699	.713	.731	.741	.750	.750	.739	.754
,, 13,...	.725	.705	.708	.706	.709	.717	.737	.737	.740	.737	.730	.718	.697	.677	.661	.647	.638	.644	.653	.661	.676	.689	.685	.675	.695
,, 14,...	.664	.658	.655	.645	.646	.649	.658	.666	.681	.685	.683	.677	.666	.645	.639	.635	.636	.643	.669	.685	.696	.698	.688	.694	.665
,, 15,...	.686	.677	.678	.684	.691	.698	.716	.719	.727	.732	.731	.722	.712	.696	.686	.677	.671	.670	.688	.692	.706	.727	.738	.732	.702
,, 16,...	.719	.706	.695	.689	.698	.709	.716	.719	.718	.724	.727	.732	.721	.701	.688	.681	.667	.675	.691	.708	.741	.754	.760	.750	.712
,, 17,...	.728	.709	.695	.691	.691	.700	.719	.724	.727	.725	.713	.711	.706	.687	.685	.672	.651	.651	.675	.699	.702	.711	.710	.694	.699
,, 18,...	.680	.665	.665	.661	.668	.681	.690	.697	.705	.709	.701	.699	.696	.696	.679	.660	.644	.639	.647	.666	.685	.704	.696	.698	.680
,, 19,...	.679	.673	.668	.662	.662	.673	.690	.701	.710	.715	.712	.696	.683	.673	.663	.655	.651	.661	.663	.677	.686	.690	.685	.677	.679
,, 20,...	.670	.656	.651	.653	.659	.666	.683	.690	.696	.702	.705	.701	.679	.676	.663	.648	.636	.644	.653	.662	.670	.679	.677	.675	.671
,, 21,...	.662	.654	.644	.643	.648	.659	.672	.674	.684	.692	.686	.678	.674	.666	.645	.631	.633	.641	.657	.675	.691	.695	.700	.691	.666
,, 22,...	.681	.665	.648	.646	.658	.676	.698	.708	.710	.712	.714	.713	.703	.687	.679	.675	.659	.647	.661	.695	.702	.709	.706	.703	.686
,, 23,...	.692	.682	.675	.686	.692	.712	.716	.721	.736	.736	.726	.737	.702	.682	.637	.598	.631	.663	.668	.683	.694	.697	.701	.688	.690
,, 24,...	.682	.662	.654	.653	.657	.677	.679	.687	.699	.697	.695	.685	.652	.644	.624	.609	.609	.618	.638	.656	.661	.670	.670	.664	.660
,, 25,	.652	.650	.641	.649	.647	.676	.685	.689	.691	.695	.694	.681	.659	.651	.648	.641	.651	.664	.665	.698	.720	.734	.714	.694	.675
,, 26,...	.681	.677	.674	.670	.662	.664	.676	.669	.660	.662	.653	.651	.636	.626	.610	.604	.590	.589	.596	.613	.630	.641	.632	.619	.641
,, 27,...	.616	.604	.580	.569	.568	.575	.572	.569	.563	.556	.542	.543	.522	.508	.494	.480	.486	.481	.486	.508	.506	.508	.498	.500	.535
,, 28,...	.486	.445	.435	.421	.434	.418	.428	.435	.429	.426	.418	.398	.392	.369	.347	.356	.344	.387	.402	.407	.434	.455	.451	.448	.415
,, 29,...	.437	.424	.413	.415	.417	.427	.437	.452	.478	.495	.501	.489	.478	.479	.477	.463	.469	.486	.510	.531	.547	.571	.569	.569	.481
,, 30,...	.554	.537	.530	.525	.535	.548	.562	.578	.588	.593	.592	.585	.574	.558	.543	.532	.531	.541	.567	.587	.605	.617	.614	.603	.567
,, 31,...	.587	.574	.571	.565	.563	.564	.576	.580	.595	.596	.591	.585	.564	.535	.513	.515	.515	.511	.517	.554	.574	.591	.599	.590	.564
Means,.....	29.663	29.650	29.642	29.641	29.647	29.658	29.669	29.676	29.683	29.686	29.683	29.676	29.662	29.848	29.635	29.625	29.621	29.630	29.643	29.662	29.677	29.689	29.687	29.681	29.660

TABLE II.

TEMPERATURE FOR THE MONTH OF JULY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
July 1,	79.9	78.8	78.8	78.2	78.8	78.6	78.6	78.3	79.6	80.4	81.5	82.6	83.0	82.0	81.2	81.3	81.2	80.3	80.9	80.7	80.5	81.1	80.9	80.9	80.3	83.7	78.2
„ 2,	80.7	80.6	80.6	80.0	80.1	80.7	81.4	82.0	83.6	83.3	83.1	83.5	85.2	83.2	81.6	82.9	83.1	82.0	80.2	80.1	80.5	80.6	80.5	80.4	81.7	85.6	79.8
„ 3,	80.3	79.9	79.3	79.7	79.3	79.7	81.4	82.2	83.3	83.1	85.1	82.8	84.0	83.8	83.6	82.6	82.0	81.5	80.7	80.6	80.6	80.5	80.5	80.1	81.5	86.1	76.7
„ 4,	79.9	78.7	78.9	78.6	78.6	77.6	77.8	80.0	80 7	79.5	82.8	83.1	83.3	83.3	83.2	83.6	83.5	81.5	81.0	78.6	78.6	78.5	78.0	78.5	80.3	84.5	76.5
„ 5,	79.5	79.6	80.0	80.1	80.0	79.6	80.8	81.8	82.8	82.8	82.5	82.8	84.0	83.9	82.8	82.3	82.2	81.4	81.5	81.3	81.2	81.1	81.1	80.9	81.5	85.1	78.5
„ 6,	81.2	80.3	79.9	80.1	79.6	79.9	81.8	82.6	83.1	83.8	83.8	84.5	83.1	82.7	83.0	82.6	82.0	82.2	81.2	80.7	80.7	80.5	80.5	80.2	81.7	85.7	79.3
„ 7,	79.8	80.0	80.0	79.2	79.3	79.3	81.7	82.2	83.5	85.1	86.7	86.3	86.8	86.2	85.0	84.0	84.0	83.2	82.4	82.2	81.9	82.1	82.0	81.7	82.7	88.0	78.5
„ 8,	81.4	81.7	81.5	81.5	81.3	81.3	81.3	81.6	79.6	82.3	84.0	82.3	83.6	82.1	81.7	79.7	81.6	79.8	80.6	80.4	80.5	79.7	79.5	78.9	81.2	84.5	76.6
„ 9,	79.9	79.8	79.8	80.1	79.3	79.7	80 8	82.3	82.3	81.3	79.8	82.5	82.0	82.5	82.4	83.3	80.5	80.7	80.1	78.4	78.8	80.1	80.5	80.5	80.7	84.4	77.2
„ 10,	80.2	79.9	79.9	80.4	80.2	80.4	81.1	82.5	83.2	83.8	84.5	83.6	82.9	84.7	84.7	83.3	82.7	82.8	81.2	80.7	80.2	79.7	79.5	79.5	81.7	85.9	79.5
„ 11,	79.0	78.6	78.8	79.0	78.9	79.8	81.5	82.7	83.2	85.1	84.3	82.1	81.6	81.0	83.1	83.9	82.0	81.6	81.5	80.8	80.6	80.7	80.1	79.5	81.2	86.4	77.6
„ 12,	79 2	79.4	79.3	79.7	79.7	79.6	80.8	83.0	84.0	84.4	85.0	84.8	85.8	86.0	86.7	86.2	85.8	83.0	81.8	80.8	80.1	80.2	80.4	79.0	82.3	87.7	78.1
„ 13,	78.2	78.6	79.6	79.3	78.8	79.6	80.4	82.0	82.8	85.0	85.6	86.1	86.1	86.4	86.2	87.8	85.8	83.8	82.1	81.5	80.6	80.6	80.4	79.9	82.4	88 1	78.2
„ 14,	80.2	80.4	80.6	79.3	79.6	79.7	80.0	82.8	83.4	83.7	85.6	87.0	86.5	86.0	85.6	86.8	84.8	84.2	83.3	82.9	82.5	82.5	82.5	82.1	83.0	88.2	79.3
„ 15,	81.7	81.6	82.2	81.7	81.4	81.5	81.1	82.7	83.8	85.8	84.6	85.0	85.8	86.5	86.8	85.8	84.3	83.3	83.0	82.6	82.1	82.2	82.3	81.7	83.3	87.8	80.6
„ 16,	81.6	81.7	81.1	81.1	80.4	80.6	81.9	83.5	83.8	84.8	84.6	85.0	85.0	84.6	84.6	84.8	83.9	82.8	81.8	81.9	81.8	80.6	80.5	81.6	82.7	85.8	79.7
„ 17,	81.2	79.2	79.3	79.2	79.7	80.0	81.6	80.8	82.8	83.8	85.4	85.6	84.6	84.6	84.6	83.6	83.2	82.7	83.0	82.6	81.6	81.7	81.5	81.3	82.2	86.0	78.9
„ 18,	81.1	80.5	78.6	80.1	80.0	80.7	81.8	82.5	83.9	86.2	86.5	85.8	83.1	80.3	77.0	79.8	79.4	82.1	82.7	81.2	80.8	80.8	81.1	81.2	81.6	88.7	77.0
„ 19,	81.3	81.1	81.2	79.7	80.0	80.0	82.9	83.0	83.0	82.8	83.0	85.2	84.8	86.5	85.8	84.3	83.8	83.0	82.4	80.5	80.5	82.0	82.2	82.0	82.5	87.3	79.7
„ 20,	80.5	79.7	79.5	79.2	79.3	78.9	80.0	83.1	83.7	85.2	86.0	86.2	85.2	84.7	84.6	84.8	83.8	83.0	82.5	82.3	82.1	82.3	82.1	81.9	82.5	87.2	78.9
„ 21,	82.0	81.5	80.2	79.2	79.1	79.3	82.1	82.5	81.4	79.9	84.5	82.5	81.0	84.4	84.5	84.4	83.8	83.6	82.7	81.8	81.5	81.0	80.9	81.3	81.9	86.0	77.5
„ 22,	80.1	80.0	80.1	80.3	80.5	80.7	81.8	84.2	83.8	84.8	85.8	87.3	83.3	86.3	81.0	83.3	83.6	83.2	82.7	82.9	82.2	81.9	81.5	81.2	82.7	88.0	79.8
„ 23,	81 2	80.0	80.6	80.1	80.5	81.1	81.8	84.0	84.8	80.8	82.7	79.5	79.1	78.9	79.0	79.6	81.4	81.1	80.8	80.1	80.6	80.8	80.1	80.1	80.8	85.9	78.1
„ 24,	79.5	79.1	80.1	80.0	80.2	80.1	80.6	82.6	80.9	80.6	80.5	82.4	84.4	84.6	84.7	83.8	83.1	82.6	82.8	82.1	81.2	80.9	81.1	81.2	81.6	85.8	78.4
„ 25,	80.9	80.6	80.3	80.0	79.7	78.6	79.8	80.2	82.0	83.6	86.3	85.9	84.8	84.2	84.4	82.9	82.7	80.2	79.6	79.7	78.5	78.0	77.6	77.7	81.2	86.6	77.6
„ 26,	77.6	77.8	77.7	77.7	77.9	79.6	80.8	81.4	83.4	86.1	87.0	86.5	86.4	86.9	86.5	86.0	85.6	84.4	82.7	82.4	81.7	81.3	80.6	79.9	82.4	88.5	77.2
„ 27,	79.9	80.2	80.0	79.7	81.1	83.0	83.5	84.1	84.9	85.6	85.8	85.8	86.7	86.6	86.6	87.0	83.7	82.6	82.1	81.6	82.2	83.1	83.1	82.6	83.4	87.0	79 9
„ 28,	82.5	82.0	82.4	80.5	79.3	80.4	81.2	77.6	80.2	79.9	79.8	80.9	81.8	82.0	81.3	78.3	79.3	79.4	80.1	80.5	81.4	80.6	81.3	81.1	80.6	83.0	77.6
„ 29,	80.8	79.4	81.1	80.0	80.7	80.3	80.9	79.3	80.1	80 8	81.4	81.7	82.1	81.8	81.1	80.3	80.2	79.8	80.2	80.2	79.8	80.1	80.5	80.5	80.5	82.7	78.8
„ 30,	80.5	80.4	79.7	78.9	77.2	79.7	80.9	81.4	81.5	82.3	82.5	83.2	83.0	82.8	82.4	80.7	81.7	80.9	81.1	80.8	80.8	80.9	80.8	80.7	81.0	84.4	76.3
„ 31,	80.5	79.1	80.4	79.8	79.5	79.8	81.7	82.6	82.9	82.1	80.3	80.2	82.8	83.1	83.1	82.3	81.8	81.2	80.7	80.7	80.6	80.6	80.5	79.7	81.1	83.6	78.1
Means,	80.4	80.0	80.0	79.8	79.7	80.0	81.1	82.0	82.6	83.2	83.9	84.0	83.9	84.0	83.6	83.3	82.8	82.1	81.6	81.1	80.9	80.9	80.8	80.6	81.7	86.1	78.3

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF JULY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
July 1, ...	77.0	76.8	76.5	76.6	75.4	75.5	75.3	75.6	75.5	75.7	75.8	76.1	76.5	76.8	77.4	77.0	77.3	77.4	77.7	77.7	77.3	77.6	77.3	77.2	76.6	136.7
„ 2, ...	76.9	77.1	76.9	76.9	76.7	76.5	77.0	77.3	78.9	77.5	77.7	77.2	78.7	77.4	77.4	77.8	77.0	77.1	76.7	76.3	76.6	76.6	77.4	77.3	77.2	142.1
„ 3, ...	76.9	77.2	76.8	76.6	76.2	76.0	76.7	77.6	78.8	77.7	77.2	78.4	79.0	78.9	78.1	78.0	77.6	77.7	77.2	76.7	77.0	77.3	77.1	77.2	77.4	146.6
„ 4, ...	77.2	76.1	76.1	76.6	75.8	75.6	75.8	77.0	77.7	77.3	78.3	78.7	78.8	78.7	78.6	76.3	77.6	77.1	77.0	76.3	75.7	76.7	75.9	76.4	77.0	143.5
„ 5, ...	76.9	76.8	76.8	76.7	76.4	76.9	77.5	76.1	77.0	78.3	77.6	78.6	78.1	78.5	76.0	77.0	77.6	77.2	76.9	77.3	77.2	77.1	76.9	77.0	77.2	136.3
„ 6, ...	76.9	76.6	76.7	76.6	76.5	76.7	77.0	76.4	76.4	76.3	78.5	78.0	78.4	77.8	78.0	78.3	77.9	77.4	77.2	76.7	76.9	76.5	76.4	76.9	77.1	142.7
„ 7, ...	77.2	76.8	76 3	76.2	76.6	76.6	79.2	77.6	77.5	76.8	77.0	77.2	77.9	78.3	78.3	77.8	78.7	77.6	78.1	78.0	78.5	78.6	78.1	78.6	77.6	139.2
„ 8, ...	78.1	78.0	77.6	77.0	76.7	76.5	77.0	77.4	77.0	78.8	78.8	78.0	77.9	77.4	78.3	77.9	77.4	77.3	76.9	76.5	76.3	76.4	76.6	75.6	77.3	144.0
„ 9, ...	76.1	76.1	76.0	75.9	75.9	75.9	75.9	76.9	76.8	77.3	77.0	76.8	76.7	76.6	76.6	77.3	76.3	75.6	76.3	75.6	75.6	75.9	75.6	75.5	76.3	148.9
„ 10, ...	75.6	75.5	75.9	75.7	76.0	76.2	76.6	76.6	76.8	78.2	77.7	76.9	77.2	76.9	76.8	76.9	76.5	76.3	76.4	76.5	76.5	76.5	76.6	76.9	76.6	142.1
„ 11, ...	76.5	76.5	76.6	76.6	76.3	76.9	78.1	78.0	78.1	77.8	77.0	74.6	77.7	77.1	77.0	78.1	76.4	76.9	77.1	76.9	77.3	77.4	77.3	77.0	77.1	144.7
„ 12, ...	76.9	77.0	76.8	76.8	77.1	77.2	78.0	77.0	76.8	76.8	75.8	75.7	76.5	76.1	75.5	72.4	73.6	75.0	75.3	75.5	75.0	74.3	74.4	74.3	75.8	143.0
„ 13, ...	74.8	75.2	75.2	75.3	74.8	75.1	75.7	76.1	75.8	76.8	77.2	75.6	74.4	75.1	74.8	76.2	77.0	76.0	75.7	75.2	74.8	74.6	74.3	74.6	75.4	142.3
„ 14, ...	75.5	75.8	75.9	75.4	75.5	75.8	75.9	77.3	76.0	76.8	77.0	78.1	76.0	77.0	77.3	78.2	78.3	77.3	77.6	77.7	77.8	77.9	77.3	78.0	76.9	146.3
„ 15, ...	77.9	77.9	77.7	77.6	77.2	77.3	77.2	77.8	78.2	78.7	77.7	78.3	78.7	78.4	78.5	78.6	77.9	77.8	77.6	77.5	77.0	77.6	77.4	77.4	77.8	149.8
„ 16, ...	76.9	76.7	76.4	76.0	75.2	75.6	76.0	77.4	76.0	76.4	76.7	76.5	76.1	76.1	76.6	76.9	77.0	76.8	76.7	77.0	77.2	76.2	77.0	77.3	76.5	149.5
„ 17, ...	76.8	77.2	77.1	76.0	76.4	76.6	78.7	76.0	78.0	78.1	78.6	78.1	78.2	77.6	78.0	77.2	76.9	76.5	77.1	77.3	77.9	77.3	77.4	77.7	77.4	145.6
„ 18, ...	77.6	77.5	76.8	77.3	77.2	77.4	78.2	78.5	77.2	76.3	77.5	78.9	77.2	76.8	74.3	75.8	76.5	77.5	77.2	77.7	77.0	77.2	77.0	77.4	77.2	147.4
„ 19, ...	77.3	77.2	76.9	76.9	77.4	77.6	78.5	78.9	78.1	78.0	78.0	78.5	76.6	77.6	76.5	77.6	76.8	76.7	76.7	77.2	77.2	76.7	76.8	76.6	77.3	144.3
„ 20, ...	76.5	76.4	76.2	75.3	76.7	76.8	76.9	77.0	77.3	77.9	78.1	78.3	77.8	78.7	78.1	77.4	77.7	77.3	77.2	76.9	77.0	77.4	76.7	77.0	77.2	144.6
„ 21, ...	76.7	76.6	76.5	76.8	76.5	77.1	78.4	78.2	77.8	76.7	79.1	78.2	77.0	78.4	78.8	78.6	77.4	77.4	77.3	77.5	77.1	77.5	77.7	78.0	77.6	143.4
„ 22, ...	78.2	78.1	78.1	78.1	78.2	78.4	78.6	78.9	79.7	79.1	78.4	80.5	79.7	80.0	79.3	79.8	79.2	78.8	78.5	79.0	79.0	79.1	78 6	79.0	78.9	148.2
„ 23, ...	78.7	77.5	78.1	78 3	78.4	78.8	79.2	80.0	79.8	77.7	78.0	76.6	76.4	76.3	77.3	76.4	78.2	77.2	77.3	78.1	77.0	77.0	77.3	77.9	77.8	138.9
„ 24, ...	77.5	77.1	77.3	77.5	77.5	77.5	78.8	79.2	77.8	77.7	77.9	76.6	74.8	74.6	78.6	78.7	78.7	78.4	78.7	78.6	78.8	78.6	78.7	78.9	77.9	142.1
„ 25, ...	79.1	78.3	78.5	78.5	78.0	76.3	77.6	78.6	78.7	80.3	80.4	80.0	80.1	78.9	79.0	78.3	78.3	76.0	74.6	74.8	75.5	75.0	75.6	75.8	77.8	141.2
„ 26, ...	75.8	76.1	75.8	75.5	75.0	75.6	76.0	74.7	74.8	78.3	75.9	77.4	76.7	77.6	77.2	77.4	77.3	77.8	78.4	78.2	78.6	78.5	77.8	77.6	76.8	141.3
„ 27, ...	77.8	77.5	77.0	77.0	77.3	77.8	78.2	77.6	77.6	78.0	78.1	78.1	77.5	78.0	77.9	78.3	78.9	77.7	75.6	75.5	76.5	76.4	77.2	76.2	77.4	135.6
„ 28, ...	75.7	75.6	75.5	76.5	74.4	75.1	75.3	76.7	75.9	75.8	77.0	78.0	77.9	76.8	76.8	74.8	76.8	75.7	76.6	74.6	76.8	76.4	76.2	76.1	76.1	128.6
„ 29, ...	76.3	75.6	76.6	76.0	76.6	76.3	76.0	75.8	75.2	75.6	76.4	75.3	75.9	74.7	75.7	75.8	75.8	75.4	75.3	75.7	76.5	76.0	75.9	75.9	75.8	142.0
„ 30, ...	76.4	76.8	76.7	77.0	75.3	76.8	76.6	77.3	77.6	77.8	78.1	78.0	78.0	78.0	77.8	78.3	78.2	78.3	77.9	77.9	77.9	77.8	78.0	77.9	77.5	139.2
„ 31, ...	78.0	77.5	78.0	78.1	78.2	77.9	78.5	78.3	77.5	78.3	77.3	77.3	79.2	79.0	79.3	77.0	78.7	78.2	77.6	77.8	77.2	77.6	77.6	77.0	78.0	141.0
Means, ...	77.0	76.8	76.8	76.7	76.5	76.7	77.2	77.3	77.3	77.5	77.6	77.6	77.5	77.4	77.4	77.3	77.4	77.1	77.0	76.9	77.0	77.0	76.9	77.0	77.1	142.6

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF JULY, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	85	0.883	July 1,.....	84	0.867
2 „	86	.880	„ 2,.....	81	.874
3 „	86	.880	„ 3,.....	83	.886
4 „	87	.879	„ 4,.....	86	.885
5 „	86	.871	„ 5,.....	82	.877
6 „	86	.875	„ 6,.....	81	.879
7 „	83	.883	„ 7,.....	79	.879
8 „	80	.875	„ 8,.....	83	.886
9 „	78	.868	„ 9,.....	80	.848
10 „	76	.868	„ 10,.....	79	.848
11 „	74	.862	„ 11,.....	83	.877
Noon.	74	.861	„ 12,.....	73	.805
1 p.	73	.858	„ 13,.....	71	.787
2 „	73	.852	„ 14,.....	75	.844
3 „	74	.858	„ 15,.....	77	.880
4 „	75	.857	„ 16,.....	74	.830
5 „	77	.869	„ 17,.....	80	.877
6 „	79	.865	„ 18,.....	81	.876
7 „	81	.867	„ 19,.....	78	.869
8 „	82	.869	„ 20,.....	78	.864
9 „	83	.876	„ 21,.....	82	.889
10 „	83	.876	„ 22,.....	84	.938
11 „	83	.873	„ 23,.....	87	.914
Midt.	85	.881	„ 24,.....	84	.907
			„ 25,.....	85	.908
			„ 26,.....	77	.848
			„ 27,.....	75	.860
			„ 28,.....	80	.841
			„ 29,.....	79	.829
			„ 30,.....	85	.898
			„ 31,.....	87	.919
Means,.....	80	0.870	Means.	80	0.870

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
July 1,.....	...	...	0.1	...	...	0.8	0.6	0.4	0.1	...	...	...	...	2.0
„ 2,.....	0.1	0.8	0.7	1.0	0.6	0.7	0.9	0.8	0.6	0.6	0.9	0.6	...	8.3
„ 3,.....	0.1	0.8	1.0	0.7	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.4	10.9
„ 4,.....	...	...	0.3	0.3	...	0.2	1.0	1.0	1.0	1.0	1.0	0.6	...	6.4
„ 5,.....	0.4	0.7	0.9	1.0	0.9	0.6	0.7	0.4	1.0	0.9	0.6	0.1	0.5	8.7
„ 6,.....	0.4	1.0	1.0	0.9	0.9	1.0	1.0	0.8	0.9	0.6	0.5	1.0	0.6	10.6
„ 7,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.0
„ 8,.....	0.1	0.4	...	0.8	0.9	0.7	0.7	0.8	0.4	0.5	0.1	0.3	...	5.7
„ 9,.....	...	0.6	1.0	0.7	0.5	0.6	1.0	1.0	0.9	0.9	0.6	0.5	...	8.3
„ 10,.....	0.2	0.1	0.9	0.8	0.9	1.0	0.8	0.5	1.0	1.0	0.8	0.5	0.5	9.0
„ 11,.....	0.4	1.0	1.0	1.0	1.0	1.0	0.4	0.2	0.2	1.0	0.9	0.1	...	8.2
„ 12,.....	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	12.0
„ 13,.....	0.3	0.7	0.9	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	11.4
„ 14,.....	...	0.2	0.9	0.9	0.9	1.0	1.0	1.0	0.9	1.0	1.0	0.2	...	9.0
„ 15,.....	...	0.1	0.8	0.8	0.8	0.8	0.5	1.0	0.9	0.8	0.3	0.8	0.3	7.9
„ 16,.....	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.1	11.4
„ 17,.....	...	0.5	1.0	1.0	1.0	1.0	0.8	0.1	0.4	0.4	...	...	...	6.2
„ 18,.....	...	...	0.5	0.8	1.0	0.9	0.5	0.3	...	0.3	0.2	0.7	...	5.2
„ 19,.....	0.3	0.9	0.6	0.8	0.4	0.6	1.0	0.7	1.0	0.9	0.3	0.1	...	7.6
„ 20,.....	0.2	0.6	1.0	1.0	1.0	1.0	1.0	0.5	0.6	1.0	1.0	1.0	0.1	10.0
„ 21.....	0.2	0.7	0.4	0.3	0.8	1.0	0.9	0.8	1.0	1.0	1.0	1.0	0.3	9.4
„ 22,.....	0.2	0.4	0.7	0.8	1.0	1.0	1.0	0.7	0.6	...	...	...	...	6.4
„ 23,.....	...	0.4	0.8	0.6	0.1	...	...	...	...	...	...	...	...	1.9
„ 24,.....	...	0.6	0.5	0.3	0.2	0.3	1.0	1.0	0.9	1.0	1.0	0.6	0.2	7.6
„ 25,.....	...	...	...	...	0.1	0.7	0.3	0.2	...	...	...	...	...	1.3
„ 26,.....	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	12.2
„ 27,.....	0.3	0.9	0.6	0.9	1.0	0.9	1.0	1.0	1.0	1.0	0.6	...	...	9.2
„ 28,.....	...	...	...	...	...	...	...	0.1	0.1	...	...	...	...	0.2
„ 29,.....	...	...	...	...	0.1	...	0.2	...	...	...	...	...	...	0.3
„ 30,.....	...	...	...	0.1	0.3	0.1	0.7	0.2	0.2	0.1	0.5	0.1	...	2.3
„ 31,.....	...	0.9	1.0	0.9	0.6	0.4	...	0.3	0.9	0.9	0.2	...	...	6.1
Sums,.....	4.4	15.9	20.6	21.2	21.0	22.3	22.9	19.8	20.6	20.9	17.5	14.1	5.5	226.7

TABLE VI.

RAINFALL FOR THE MONTH OF JULY, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
July 1,	0.080	0.060	0.045	0.065	0.005	0.030	0.035	...	0.040	...	...	...	...	...	...	...	0.110	0.015	...	...	...	...	...	...	0.485	9
„ 2,	...	...	...	...	0.040	...	...	...	...	...	...	...	...	...	0.015	...	...	0.035	...	...	...	...	0.005	0.005	0.100	3
„ 3,	0.100	...	0.095	0.315	0.020	0.005	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.540	3
„ 4,	...	...	...	...	...	0.055	0.005	0.085	...	0.045	...	...	...	...	...	...	...	...	...	0.040	...	0.020	...	...	0.250	3
„ 5,	...	...	...	0.010	...	...	...	...	...	...	...	0.010	...	...	...	...	...	...	...	...	...	...	...	...	0.020	1
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	0.015	...	...	...	...	...	0.220	...	...	0.090	...	0.030	...	0.010	...	...	...	0.010	...	...	...	0.140	0.020	0.535	3
„ 9,	0.005	0.080	...	...	...	...	...	...	...	0.070	0.040	...	...	0.010	...	0.065	...	0.005	0.120	...	...	...	...	...	0.395	5
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	...	...	...	...	0.010	...
„ 11,	...	...	...	...	...	...	...	...	...	...	...	0.045	0.005	...	...	...	...	...	...	...	...	...	...	...	0.050	1
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	0.020	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	...	...	0.010	...
„ 17,	0.075	0.020	0.065	0.025	...	..	0.015	...	...	...	...	...	...	...	...	...	...	...	...	0.020	0.020	...	...	...	0.240	1
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	0.055	0.275	0.335	...	...	...	...	...	...	...	...	...	0.665	3
„ 19,	...	...	...	...	...	...	...	0.050	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.050	...
„ 20,	0.035	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.035	...
„ 21,	...	...	0.040	...	...	...	...	0.060	0.020	0.115	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.235	2
„ 22,	...	...	...	...	...	...	...	0.010	...	...	...	...	0.005	...	...	...	...	...	...	...	...	..	...	...	0.015	...
„ 23,	0.090	...	...	...	...	...	...	...	...	...	0.030	0.045	0.015	0.025	0.020	...	...	...	...	...	...	...	...	...	0.225	7
„ 24,	...	...	...	...	...	...	...	...	...	0.040	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.040	1
„ 25,	...	...	...	0.095	0.010	...	0.005	0.005	...	...	...	...	...	...	...	...	0.070	0.070	...	0.035	0.040	...	...	...	0.330	3
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	...	...	...	...	...	0.010	...
„ 28,	...	...	...	0.180	0.010	...	0.025	0.200	0.005	0.050	0.235	0.105	...	0.005	0.045	0.020	0.040	0.030	0.010	...	0.310	...	...	...	1.270	13
„ 29,	...	...	0.010	0.080	0.005	0.005	...	0.025	...	...	...	...	...	...	...	0.060	...	0.005	...	...	0.015	...	...	...	0.205	4
„ 30,	...	0.025	0.285	0.210	0.340	...	...	...	...	...	...	...	...	...	0.030	0.100	...	...	...	...	...	...	...	...	0.990	5
„ 31,	...	0.020	...	...	...	...	...	...	...	0.200	0.060	0.010	0.005	0.005	...	...	...	...	...	. .	...	...	0.010	0.020	0.330	3
Sums,	0.385	0.220	0.540	0.980	0.430	0.095	0.105	0.655	0.065	0.525	0.455	0.215	0.115	0.320	0.455	0.245	0.220	0.160	0.150	0.105	0.385	0.030	0.155	0.045	7.055	70

16th 6 p.—17th 10 a.—Clock stopped, owing to breakage of clock line. Entries from measurements of spare gauge. The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF JULY, 1898.

Date	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel	Dir.	Vel.	Dir.	Vel	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
July 1.	9	43	10	44	12	47	12	43	13	35	13	35	13	31	14	30	13	29	13	24	13	29	13	27	12	24	12	28	12	30	13	29	12	20	13	25	13	23	12	22	12	22	12	26	12	22	12	21	709	29.5	12
„ 2.	12	26	12	23	12	20	13	21	12	26	13	22	13	22	13	19	13	17	14	13	12	18	12	20	14	19	12	15	12	16	14	22	12	20	13	18	12	21	12	20	12	20	11	19	10	15	10	20	472	19.7	12
„ 3.	10	20	10	18	10	19	12	16	10	16	11	17	12	17	12	14	11	13	12	19	12	15	11	17	9	12	8	15	8	17	8	14	8	16	8	14	9	11	10	8	10	9	9	9	11	8	9	4	338	14.1	10
„ 4.	9	3	9	3	9	5	6	7	7	10	6	10	5	3	15	4	9	12	10	13	8	14	9	16	8	18	8	19	8	18	13	14	12	11	13	9	10	7	12	7	7	9	9	14	9	10	9	13	249	10.4	9
„ 5.	9	17	10	13	10	10	11	11	10	8	10	11	11	12	12	13	10	15	9	17	8	22	8	21	8	18	12	19	8	20	9	14	10	18	11	14	12	17	12	19	12	16	12	14	13	14	13	16	369	15.4	10
„ 6.	13	13	12	7	11	6	11	6	11	5	10	6	11	5	11	9	14	9	14	8	8	15	13	11	8	15	8	16	8	14	8	16	8	13	9	12	10	8	10	7	9	9	10	5	11	5	12	2	222	9.2	10
„ 7.	12	7	12	5	12	4	6	2	...	1	...	0	5	2	7	7	7	6	9	6	9	8	9	11	9	14	9	14	9	16	9	15	9	14	10	17	8	16	8	15	9	17	8	14	8	21	9	17	249	10.4	9
„ 8.	8	19	9	16	9	19	10	19	10	14	11	11	8	16	9	17	7	15	8	14	9	20	9	12	8	18	7	20	7	19	8	19	12	19	12	18	12	20	12	18	13	17	12	18	13	20	13	21	419	17.5	10
„ 9.	15	20	15	13	14	18	14	18	14	12	14	16	13	15	13	18	13	23	14	19	15	25	14	25	14	22	14	24	15	20	15	19	14	11	15	16	16	20	16	14	13	13	14	19	13	14	13	12	426	17.7	14
„ 10.	13	12	11	10	12	8	11	12	12	13	12	12	12	13	13	14	12	14	10	14	12	14	9	14	11	15	13	10	11	14	11	15	10	12	13	8	13	9	13	2	13	3	8	7	8	4	8	5	254	10.6	11
„ 11.	9	2	...	0	9	5	9	3	...	1	...	0	9	7	7	11	10	16	9	16	9	17	13	16	7	17	7	10	7	8	8	14	9	17	8	12	9	9	8	7	8	5	9	6	10	2	6	2	203	8.5	9
„ 12.	9	4	9	3	6	8	6	8	9	5	...	1	9	2	7	8	7	9	7	9	7	11	7	11	8	12	8	9	8	8	15	8	16	8	17	7	17	6	17	4	17	3	17	2	...	0	...	1	147	6.1	9
„ 13.	...	1	25	7	24	4	24	7	23	6	24	7	26	4	24	7	21	9	22	10	24	12	24	9	24	9	21	7	22	6	24	6	20	4	16	7	16	5	16	2	16	3	16	4	17	4	19	7	147	6.1	22
„ 14.	20	10	20	11	20	10	26	5	24	7	22	8	26	5	24	9	20	10	23	7	20	11	20	9	20	15	19	16	20	17	19	17	19	13	19	9	18	8	19	7	18	7	18	5	17	6	16	6	228	9.5	20
„ 15.	15	8	17	6	18	9	17	9	16	7	16	10	15	9	16	14	15	14	17	12	18	9	16	12	16	10	17	14	17	10	16	11	15	9	15	7	15	5	14	8	14	9	12	10	12	11	14	11	234	9.7	16
„ 16.	13	12	12	10	12	10	11	8	12	6	10	6	11	8	12	9	8	13	7	15	8	20	8	16	8	17	8	15	8	17	8	13	8	15	9	10	11	12	11	10	10	11	7	11	7	8	9	10	282	11.7	9
„ 17.	15	10	9	4	4	3	6	5	5	4	5	4	5	3	...	1	14	3	23	3	12	2	9	10	13	9	8	15	8	13	8	14	9	10	9	9	10	7	11	8	11	10	12	5	11	3	12	5	160	6.7	10
„ 18.	10	6	10	2	10	3	6	5	6	4	6	3	9	4	..	1	15	5	14	5	11	4	27	5	13	9	31	14	2	8	22	2	...	1	...	0	22	2	11	7	13	5	13	6	13	8	11	9	118	4.9	10
„ 19.	11	8	11	5	12	5	12	4	12	5	12	3	12	2	15	2	8	11	8	13	8	14	8	12	8	18	10	12	10	11	10	13	8	14	11	7	11	10	9	5	8	5	11	7	12	13	11	11	210	8.7	10
„ 20.	7	8	13	4	13	2	13	3	...	1	...	1	13	2	9	3	8	10	8	13	8	14	9	15	8	19	8	17	8	17	9	19	9	16	9	16	8	16	11	16	10	16	10	19	11	17	11	13	277	11.5	9
„ 21.	13	10	12	6	7	5	...	1	...	1	...	0	6	3	7	5	7	14	8	13	9	12	8	16	8	17	8	12	8	13	9	15	9	15	10	15	9	10	11	6	11	5	10	6	10	8	8	8	216	9.0	9
„ 22.	8	6	8	4	8	4	9	6	10	5	7	7	9	9	7	8	8	11	9	17	10	17	8	13	8	14	9	15	9	10	7	10	7	10	8	11	9	12	11	9	8	10	9	6	9	4	9	2	220	9.2	9
„ 23.	12	8	7	3	7	5	7	3	7	4	7	3	7	2	4	5	6	5	19	7	15	4	7	14	8	5	...	1	...	1	6	6	4	2	...	1	4	2	4	4	9	3	10	8	8	6	8	4	106	4.4	8
„ 24.	8	3	2	2	31	2	31	2	31	2	...	1	...	1	3	5	26	4	14	2	10	10	8	8	7	9	9	12	8	14	7	13	8	11	8	10	11	4	11	3	11	4	10	5	11	6	11	3	136	5.7	8
„ 25.	11	4	11	3	2	3	2	4	6	3	4	2	4	2	7	3	9	4	9	5	9	8	8	9	8	9	23	6	23	2	9	11	9	8	9	11	6	10	5	11	8	14	10	4	10	2	10	2	140	5.8	8
„ 26.	...	0	10	3	...	1	...	1	...	0	...	0	...	1	10	2	10	3	23	3	5	10	8	15	7	20	7	20	8	16	9	11	8	10	9	8	9	6	6	5	11	5	11	4	...	1	...	1	146	6.1	8
„ 27.	11	2	9	4	2	3	2	2	2	3	4	11	5	14	4	15	7	17	7	21	7	24	6	23	7	26	7	23	7	23	6	21	8	25	7	26	7	29	6	33	6	32	6	35	7	38	6	37	487	20.3	6
„ 28.	5	35	4	34	5	36	6	39	5	36	5	35	5	36	5	43	5	43	5	40	6	49	6	47	7	49	7	50	7	44	10	48	8	50	10	46	9	43	9	40	9	47	10	42	10	42	11	41	1015	42.3	7
„ 29.	11	38	11	37	11	38	11	38	12	42	11	44	11	44	12	41	12	32	11	30	10	41	9	38	12	41	11	35	12	34	11	36	12	32	13	28	12	29	12	30	12	31	13	26	14	20	14	21	826	34.4	12
„ 30.	14	21	14	18	14	23	14	22	15	18	15	15	14	16	14	20	14	22	15	19	14	18	14	21	15	19	15	15	14	16	13	10	14	10	15	8	13	9	13	12	13	13	13	11	12	14	12	12	382	15.9	14
„ 31.	13	9	9	7	12	8	13	6	13	4	10	8	10	12	10	14	9	17	9	17	7	14	3	8	8	14	9	21	8	21	9	17	10	11	9	12	7	16	7	17	7	17	7	14	7	14	5	13	311	13.0	8
Sums.	...	385	...	325	...	343	...	336	...	304	...	309	...	322	...	371	...	425	...	424	...	501	...	501	...	533	...	519	...	493	...	492	...	445	...	411	...	402	...	376	...	390	...	381	...	360	...	350	9698	404.1	...
Means.	...	12.4	...	10.5	...	11.1	...	10.8	...	9.8	...	10.0	...	10.4	...	12.0	...	13.7	...	13.7	...	16.2	...	16.2	...	17.2	...	16.7	...	15.9	...	15.9	...	14.4	...	13.3	...	13.0	...	12.1	...	12.6	...	12.3	...	11.6	...	11.3	312.8	13.0	...

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
July 1, ...	10	nim.	...	10	nim.	...	10	nim.	SSE	10	R-cum.	SSE
„ 2, ...	9	cum-nim.	SSE	9	nim.	...	9	c-cum. / cum.	SE	9	c-cum. / cum.	SE
„ 3, ...	9	nim.	...	10	nim.	...	4	c-cum. / cum.	SSE	8	c-cum. / cum.	SSE
„ 4, ...	3	cum.	ESE	9	cum.	ESE	5	c-cum. / nim.	SE	9	c-cum. / nim.	SSE
„ 5, ...	9	cum.	SE	7	cum.	SE	8	cum.	SSE	8	cum.	SSE
„ 6, ...	7	cum.	SSE	7	c-cum. / cum.	SSE	3	cum.	S	6	c-cum. / cum.	S
„ 7, ...	2	cum.	...	1	cum.	...	5	c-cum. / cum.	SSE	5	c-cum. / cum.	...
„ 8, ...	6	cum.	ESE	8	cum.	SE	9	c-cum. / cum.	SE	7	c-str. / c-cum. / cum.	.. / SE / ESE
„ 9, ...	9	cum.	SSE	9	nim.	SSE	6	cum.	S	8	c-cum. / cum.	SSE
„ 10, ...	5	cum.	SE	8	cum.	SSE	7	cum.	S	7	cum.	SE
„ 11, ...	1	cum.	E	1	cum.	E	2	cum.	...	2	cum.	E
„ 12, ...	1	cum.	E	1	cum.	E	3	cum.	E	2	c-cum. / cum.	E
„ 13, ...	0	...	...	0	...	...	8	c-cum. / cum.	SW	3	cum.	WSW
„ 14, ...	8	cum.	SSW	7	cum.	SW	10	c-cum. / cum.	WSW	8	c-cum. / cum.	ESE / WSW
„ 15, ...	9	cum.	SSW	7	c-cum. / cum.	SSW	8	cum. / cum-nim.	SSW / S	8	c-cum. / cum.	NE / SSW
„ 16, ...	7	cum.	SSE	0	...	...	1	cum.	...	2	c-cum. / cum.	NE / SSE
„ 17, ...	7	nim.	...	6	nim.	...	4	c-cum. / cum.	...	6	c-cum. / cum.	NE / S
„ 18, ...	1	cum.	...	3	sm-cum.	...	10	sm-cum. / cum.	S	6	c-str. / cum.	NE / S
„ 19, ...	0	...	...	1	cum.	...	6	cum.	SE	7	cum.	S
„ 20, ...	5	nim.	...	0	...	...	7	c-cum. / cum.	...	6	c-cum. / cum.	SE
„ 21, ...	0	...	...	9	nim.	...	5	cum.	ESE	4	c-str. / cum.	ESE
„ 22, ...	3	nim.	...	1	cum.	E	4	c-str. / cum.	ESE	5	c-cum. / cum.	ESE
„ 23, ...	9	cum.	...	9	cum.	E	7	c-cum. / cum.	...	10	c-cum. / cum-str.	...
„ 24, ...	0	...	...	0	...	...	8	c-cum. / cum.	...	8	c-str. / nim.	...
„ 25, ...	10	cum-nim.	...	9	nim.	...	10	c-cum. / nim.	...	9	c-cum. / cum.	NNE / SE
„ 26, ...	6	cum.	SE	1	cum.	...	1	c-cum.	...	5	c. / c-cum. / cum.	.. / NE / ENE
„ 27, ...	0	...	...	0	...	...	3	c-cum. / cum.	ENE	2	cum.	ENE
„ 28, ...	8	cum.	ENE	10	nim.	ENE	10	nim.	ENE	10	R-cum.	E
„ 29, ...	10	nim.	SE	10	nim.	SE	10	cum.	SSE	10	R-cum.	SE
„ 30, ...	10	cum.	S	10	nim.	...	8	sm-cum. / cum.	S	10	sm-cum. / cum.	S
„ 31, ...	8	cum.	S	8	cum.	SE	9	c-cum. / cum.	SE	9	c-cum. / cum. / cum-nim.	.. / SSW / SE
Means,...	5.5	...	...	5.5	...	...	6.5	...	...	6.7	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
July 1,...	10	sm-cum. / cum.	SSE	10	sm-cum. / cum.	S	10	sm-cum. / cum.	S	10	cum.	SSE	10.0
„ 2,...	8	c-cum. / cum.	SSE	9	cum. / nim.	SSE	10	sm-cum. / cum.	SSE	9	sm-cum. / cum.	SSE	9.0
„ 3,...	7	c-cum. / cum.	SSE	4	c-cum. / cum.	S	8	c-cum. / cum.	SSE	5	c-cum. / cum.	ESE	6.9
„ 4,...	5	c-cum. / cum.	S	4	c-cum. / cum.	SSE	9	c-cum. / cum.	ESE	9	c-cum. / cum.	SE / E	6.6
„ 5,...	8	c-cum. / cum.	SE	9	nim.	SE	7	cum.	SE	6	cum.	SE	7.8
„ 6,...	8	c-cum. / cum.	SSE	6	cum.	S	1	cum.	...	1	c-str. / cum.	...	4.9
„ 7,...	1	c-cum. / cum.	...	3	c-cum / cum.	...	4	c-cum. / cum.	ESE	7	c-cum. / cum.	ESE	3.5
„ 8,...	6	c-str. / cum.	ESE	10	nim.	ESE	10	nim.	SE	4	cum.	SE	7.5
„ 9,...	8	c-cum. / cum.	S	9	c-cum. / cum. / nim.	S	10	nim.	S	8	cum.	S	8.4
„ 10,...	9	cum.	ESE	8	cum.	SE	4	c-cum. / cum.	SE	0	...	...	6.0
„ 11,...	10	c-cum. / cum.	SSE	7	c-str. / sm-cum. / cum.	N .. / SE	8	c-str. / sm-cum. / cum.	SE	0	...	...	3.9
„ 12,...	4	c-cum. / cum.	E	1	c-cum.	...	2	c-cum.	...	0	...	...	1.8
„ 13,...	1	cum.	...	1	cum.	...	1	c-cum.	...	0	...	...	1.7
„ 14,...	10	c-str. / cum.	WSW	9	c-str. / cum.	WSW	10	c-cum. / cum.	...	1	cum.	...	7.9
„ 15,...	8	c-cum. / cum.	S	8	sm-cum. / cum.	ENE / SSW	9	c-cum. / cum.	SSW	8	c-cum. / cum.	S	8.1
„ 16,...	4	c-cum. / cum.	...	2	c-cum. / cum.	...	7	c-str. / cum.	...	6	c-cum. / nim.	SE	3.6
„ 17,...	10	c-cum. / cum.	SSE	10	c-str. / cum.	SE	10	c-cum. / cum.	SE	6	cum.	...	7.4
„ 18,...	9	c-cum. / nim.	SSE	8	c-cum. / cum.	SSE	4	c-cum. / cum.	SSE	0	...	...	5.1
„ 19,...	6	c-cum. / cum.	SSE	8	c-str. / cum.	SSE	7	c-cum. / cum.	SSE	1	cum.	...	4.5
„ 20,...	7	c-str. / cum.	SE	6	c-cum. / cum.	SE	3	c-cum. / cum.	...	1	cum.	...	4.4
„ 21,...	6	c-cum. / cum.	...	8	c-cum. / cum.	ESE	9	c-cum. / cum.	E	0	...	...	5.1
„ 22,...	8	c-cum. / cum. / nim.	.. / ESE / E	10	str. / cum.	...	10	c-cum. / cum.	E	8	c-str. / cum.	...	6.1
„ 23,...	10	c-cum. / nim.	...	9	c-cum. / cum.	E	10	c-cum. / cum.	...	7	cum-nim.	...	8.9
„ 24,...	7	c-cum. / cum.	ESE / ..	6	c-cum. / cum.	E / ..	10	str. / cum.	...	7	str.	...	5.7
„ 25,...	8	c-cum. / cum.	NNE / ..	10	c-cum. / cum.	NNE / ..	10	cum-nim.	...	10	cum-nim.	...	9.5
„ 26,...	2	c-cum. / cum.	E / ENE	2	c-cum. / cum.	E / ENE	2	c-cum. / cum.	...	0	...	...	2.4
„ 27,...	3	c-cum. / cum.	ENE	9	c-cum. / cum.	ENE	10	c-cum. / cum.	ENE	10	cum.	ENE	4.6
„ 28,...	10	cum-nim.	ESE	10	c-cum. / cum.	ESE	10	cum-nim.	ESE	10	cum.	ESE	9.8
„ 29,...	10	cum.	SE	10	nim.	SSE	10	nim.	SSE	10	c-cum. / cum.	SSE	10.0
„ 30,...	10	c-cum. / cum.	S	10	cum-nim.	S	10	cum-nim.	S	9	c-str. / cum.	S	9.6
„ 31,...	8	c-cum. / cum.	SE	8	c-cum. / cum.	SE	7	c-cum. / cum.	E	10	sm-cum. / cum.	ENE	8.4
Means,...	7.1	...	...	7.2	...	...	7.5	...	...	5.3	...	...	6.4

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF JULY, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.7	9.0	6.1	0.2	− 5.4	+ 8.8	E 32° S
2 „	0.9	7.6	5.0	0.5	4.1	7.1	E 30° S
3 „	1.1	7.8	5.5	0.5	4.4	7.3	E 31° S
4 „	1.2	7.5	5.3	0.5	4.1	7.0	E 30° S
5 „	1.1	6.4	5.0	0.4	3.9	6.0	E 33° S
6 „	1.2	6.5	4.8	0.5	3.6	6.0	E 31° S
7 „	1.3	7.4	4.9	0.3	3.6	7.1	E 27° S
8 „	1.7	7.8	5.7	0.5	4.0	7.3	E 29° S
9 „	1.3	10.0	5.7	0.6	4.4	9.4	E 25° S
10 „	1.0	9.9	5.2	0.9	4.2	9.0	E 25° S
11 „	1.1	12.8	5.3	0.7	4.2	12.1	E 19° S
Noon.	1.4	12.7	4.8	0.6	3.4	12.1	E 16° S
1 p.	0.8	13.8	4.9	0.6	4.1	13.2	E 17° S
2 „	1.2	13.0	5.1	0.9	3.9	12.1	E 18° S
3 „	0.8	12.8	4.3	0.7	3.5	12.1	E 16° S
4 „	0.5	12.3	6.1	0.5	5.6	11.8	E 25° S
5 „	0.1	11.8	5.0	0.3	4.9	11.5	E 23° S
6 „	0.2	10.0	6.3	0.2	6.1	9.8	E 32° S
7 „	0.5	9.7	5.8	0.2	5.3	9.5	E 29° S
8 „	0.9	9.2	5.6	0.2	4.7	9.0	E 28° S
9 „	0.5	10.0	5.4	0.1	4.9	9.9	E 26° S
10 „	0.6	9.8	5.6	0.1	5.0	9.7	E 27° S
11 „	0.4	9.1	5.5	0.1	5.1	9.0	E 29° S
Midt.	0.7	8.4	5.5	0.1	− 4.8	+ 8.3	E 30° S
Means,.....	0.9	9.8	5.3	0.4	− 4.47	+ 9.38	E 26° S

PHENOMENA :—

Solar halo :—on the 8th, 14th, 17th, 19th, 20th and 23rd.

Lunar halo :—on the 1st, 3rd, 4th, 6th, 24th, 29th and 30th.

Lunar corona :—on the 3rd, 4th, 22nd and 30th.

Slight fog :—on the 7th, 20th, 25th and 26th.

Haze :—on the 4th, 23rd and 24th.

Unusual Visibility :—on the 7th, 11th, 13th, 19th and 20th.

Dew :—on the 16th, 20th, 22nd, 24th and 27th.

Rainbow :—on the 4th, 5th, 16th, 17th, 28th and 31st.

Lightning without thunder :—on the 9th, 10th, 11th, 12th, 15th, 16th, 22nd, 24th, 25th, 26th and 27th.

Thunder without lightning :—on the 17th, 19th, 20th, 24th and 25th.

Thunder and lightning :—on the 24th.

Thunderstorms:—on the 18th, 1 p.—2 p., in NW, nearest at 1.10 p. (3^s); on the 21st, Noon—12.35 p. in E, distant; on the 23rd, 9.15 a.—10 a., SW-NW, nearest at 9.25 a., (8^s); on the 23rd, 11.30 a.—1.30 p., E-W, nearest at 11.50 a., (5^s).

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF AUGUST, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Aug. 1,...	29.568	29.549	29.540	29.535	29.535	29.537	29.545	29.555	29.572	29.571	29.565	29.551	29.539	29.524	29.499	29.485	29.482	29.490	29.515	29.550	29.579	29.606	29.594	29.556	29.543
" 2,...	.539	.514	.504	.498	.506	.520	.522	.539	.547	.538	.529	.515	.491	.482	.468	.457	.440	.446	.467	.493	.499	.494	.491	.469	.499
" 3,...	.444	.422	.418	.411	.401	.408	.405	.404	.408	.407	.397	.386	.367	.352	.325	.325	.310	.320	.320	.335	.348	.356	.357	.345	.374
" 4,...	.310	.274	.254	.241	.238	.242	.244	.246	.242	.225	.214	.191	.175	.154	.146	.108	.088	.114	.115	.132	.126	.136	.136	.120	.186
" 5,...	.106	.111	.095	.103	.110	.142	.166	.195	.217	.243	.259	.277	.282	.284	.300	.290	.299	.314	.332	.351	.375	.404	.415	.417	.254
" 6,...	.413	.411	.406	.406	.418	.437	.455	.471	.479	.486	.484	.475	.477	.465	.461	.448	.440	.450	.462	.499	.511	.518	.513	.508	.462
" 7,...	.496	.489	.484	.480	.486	.500	.508	.514	.500	.503	.488	.476	.466	.448	.439	.423	.412	.426	.433	.443	.472	.475	.456	.456	.470
" 8,...	.437	.412	.410	.418	.429	.434	.442	.441	.445	.445	.432	.413	.394	.375	.363	.348	.349	.356	.387	.404	.434	.442	.444	.450	.413
" 9,...	.438	.419	.426	.428	.415	.448	.479	.489	.521	.531	.534	.534	.529	.492	.446	.450	.458	.470	.502	.539	.550	.561	.572	.573	.492
" 10,...	.570	.572	.565	.562	.572	.582	.606	.608	.616	.624	.614	.614	.600	.593	.581	.565	.569	.582	.591	.611	.639	.649	.632	.616	.597
" 11,...	.611	.606	.591	.586	.586	.602	.618	.627	.619	.613	.613	.609	.592	.584	.565	.547	.534	.522	.536	.569	.594	.597	.582	.568	.586
" 12,...	.552	.543	.527	.527	.527	.542	.555	.552	.548	.548	.535	.528	.503	.492	.475	.454	.456	.457	.476	.486	.502	.507	.504	.488	.512
" 13,...	.479	.467	.449	.445	.449	.458	.460	.485	.485	.479	.468	.453	.432	.422	.420	.421	.433	.449	.459	.480	.490	.484	.494	.488	.460
" 14,...	.488	.457	.459	.479	.482	.487	.503	.525	.567	.574	.561	.553	.547	.544	.536	.524	.537	.532	.549	.572	.591	.602	.603	.599	.536
" 15,...	.591	.587	.584	.587	.591	.591	.615	.618	.631	.640	.637	.637	.628	.611	.599	.589	.586	.590	.591	.605	.639	.664	.670	.667	.614
" 16,...	.652	.634	.624	.615	.613	.621	.635	.644	.652	.644	.634	.614	.598	.582	.564	.559	.542	.543	.548	.553	.584	.602	.577	.580	.601
" 17,...	.563	.552	.541	.522	.519	.520	.551	.549	.542	.528	.512	.471	.449	.410	.389	.366	.351	.397	.406	.427	.468	.496	.502	.529	.482
" 18,...	.529	.541	.561	.565	.584	.599	.637	.646	.668	.689	.712	.715	.722	.719	.691	.676	.685	.703	.712	.727	.758	.776	.772	.758	.673
" 19,...	.753	.742	.730	.737	.744	.757	.767	.772	.781	.784	.784	.780	.769	.754	.731	.720	.708	.709	.720	.736	.749	.760	.754	.745	.749
" 20,...	.728	.716	.709	.712	.712	.714	.716	.722	.716	.719	.708	.699	.684	.672	.646	.624	.619	.620	.634	.662	.664	.678	.677	.673	.684
" 21,...	.681	.677	.652	.630	.623	.624	.647	.670	.682	.696	.695	.674	.656	.638	.641	.634	.636	.651	.659	.660	.670	.672	.674	.678	.659
" 22,...	.674	.651	.641	.649	.647	.662	.670	.679	.689	.697	.698	.694	.669	.657	.652	.651	.642	.640	.647	.669	.683	.691	.683	.682	.667
" 23,...	.677	.665	.657	.663	.654	.660	.679	.696	.692	.694	.699	.687	.671	.647	.599	.588	.586	.595	.614	.630	.655	.659	.652	.647	.653
" 24,...	.630	.612	.608	.609	.606	.605	.611	.622	.629	.628	.614	.597	.579	.557	.553	.550	.551	.562	.582	.596	.616	.626	.608	.596	.598
" 25,...	.577	.575	.571	.571	.573	.585	.591	.603	.614	.610	.602	.604	.590	.567	.556	.548	.552	.556	.566	.586	.607	.614	.617	.612	.585
" 26,...	.608	.596	.590	.579	.584	.601	.624	.627	.634	.645	.639	.621	.606	.596	.584	.584	.586	.596	.616	.633	.650	.656	.666	.644	.615
" 27,...	.642	.627	.626	.628	.629	.633	.652	.662	.674	.679	.670	.650	.636	.610	.604	.589	.596	.592	.621	.643	.663	.679	.673	.656	.639
" 28,...	.656	.635	.618	.621	.626	.643	.655	.676	.681	.687	.672	.649	.628	.595	.576	.569	.561	.579	.593	.615	.638	.634	.626	.608	.627
" 29,...	.580	.559	.558	.562	.562	.574	.589	.596	.607	.601	.596	.587	.564	.543	.528	.517	.515	.518	.534	.552	.576	.585	.575	.566	.564
" 30,...	.565	.556	.549	.549	.560	.568	.597	.609	.615	.613	.612	.606	.594	.571	.553	.546	.552	.563	.565	.595	.608	.624	.629	.614	.584
" 31,...	.600	.594	.592	.593	.591	.593	.616	.625	.638	.637	.631	.625	.603	.586	.571	.569	.578	.582	.587	.605	.630	.646	.645	.642	.607
Means,.....	29.553	29.541	29.534	29.533	29.535	29.545	29.560	29.570	29.578	29.580	29.574	29.564	29.550	29.533	29.518	29.507	29.505	29.514	29.527	29.547	29.567	29.577	29.574	29.566	29.548

TABLE II.

TEMPERATURE FOR THE MONTH OF AUGUST, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Aug. 1,	79.8	80.0	79.0	79.4	79.4	80.6	82.0	82.7	83.2	85.1	85.6	86.0	86.5	87.0	86.8	86.1	85.8	83.8	82.6	82.2	78.1	76.3	77.0	77.9	82.2	89.0	76.3
„ 2,	77.9	77.8	77.6	77.7	77.8	78.0	81.2	82.5	85.1	84.8	83.9	84.7	84.7	84.9	85.8	85.8	83.9	83.2	81.2	81.8	80.8	79.8	80.2	83.5	81.9	86.3	76.6
„ 3,	83.3	81.5	81.6	81.7	82.3	80.2	81.8	83.5	83.0	84.5	85.8	87.2	87.6	87.0	85.8	82.6	82.7	82.5	82.2	82.8	83.9	83.4	79.6	81.9	83.3	88.2	78.9
„ 4,	81.2	82.4	82.3	81.5	81.0	81.1	81.3	82.4	82.8	82.1	79.8	80.3	79.4	80.4	79.6	81.3	81.8	77.6	80.6	80.2	81.2	80.3	80.2	80.5	80.9	83.4	77.6
„ 5,	79.9	78.0	79.1	78.8	78.8	78.5	78.9	79.0	80.9	81.6	82.2	81.8	81.2	78.2	80.3	80.8	79.3	78.6	79.3	79.8	79.9	79.7	79.9	80.2	79.8	82.2	78.0
„ 6,	80.2	80.4	80.2	80.3	80.2	79.9	80.0	80.5	81.7	82.8	83.7	83.9	83.8	85.8	85.8	85.5	83.6	81.9	81.4	80.9	80.5	79.5	80.5	80.2	81.8	86.6	79.5
„ 7,	80.2	80.1	80.0	79.4	79.4	79.5	80.5	81.9	83.0	84.2	84.1	85.2	86.0	86.8	85.4	86.6	84.0	83.7	82.6	82.5	82.3	82.2	82.0	82.0	82.6	86.8	79.4
„ 8,	82.0	81.8	81.9	81.4	81.4	81.5	82.1	83.8	84.8	85.9	86.8	86.8	87.8	89.6	88.8	87.6	85.8	84.3	83.2	83.0	82.6	82.5	82.2	82.4	84.2	89.7	81.4
„ 9,	82.2	82.5	82.4	82.6	82.1	82.2	82.8	82.5	82.7	82.8	83.5	83.1	84.5	84.4	84.5	84.2	83.8	82.8	82.0	81.6	81.6	81.3	81.7	81.0	82.7	85.6	80.9
„ 10,	80.7	80.3	80.4	80.6	79.7	78.7	81.7	82.5	81.5	85.0	85.5	85.8	86.1	86.9	85.4	84.9	83.3	82.5	81.7	81.7	81.6	81.2	81.3	80.7	82.5	87.6	78.7
„ 11,	80.4	80.2	79.8	79.0	78.4	79.0	80.1	81.5	82.3	82.0	84.0	84.5	84.5	81.0	83.5	84.1	80.8	80.5	80.5	81.3	80.8	80.2	79.2	79.2	81.1	85.4	78.4
„ 12,	80.6	80.5	79.5	79.6	79.6	78.9	79.6	81.7	82.7	83.6	85.6	87.8	85.9	85.8	86.4	85.8	84.0	82.8	80.8	81.5	81.6	81.5	82.2	80.5	82.4	87.8	78.9
„ 13,	79.2	78.7	78.9	79.0	78.5	77.6	79.3	79.0	80.0	80.5	83.0	82.1	80.8	81.3	81.7	80.2	80.4	80.6	80.5	81.0	81.3	81.5	81.1	81.4	80.3	83.6	77.6
„ 14,	80.4	81.1	80.9	77.7	78.6	79.7	80.3	81.2	76.7	77.3	79.1	81.5	81.6	83.2	82.1	81.9	80.5	80.1	80.1	79.4	79.6	79.6	79.8	80.0	80.1	84.0	74.7
„ 15,	80.1	80.5	81.0	80.7	79.8	79.9	80.8	82.1	82.6	83.1	83.9	83.8	83.6	83.5	83.1	82.6	82.3	81.9	80.5	80.4	80.2	80.2	80.0	79.7	81.5	85.2	79.4
„ 16,	79.7	79.5	79.8	78.7	78.7	79.8	80.5	81.3	82.8	83.6	85.2	86.8	86.8	87.9	87.2	87.4	85.4	84.9	83.4	82.4	81.9	81.9	81.9	82.1	82.9	88.8	78.3
„ 17,	82.7	80.8	79.6	80.9	82.5	81.5	76.2	80.4	80.5	82.5	84.8	82.8	79.9	82.5	82.6	81.8	80.8	79.7	79.8	78.6	78.4	78.3	78.9	77.9	80.6	85.2	76.2
„ 18,	78.0	78.1	78.5	80.0	79.7	80.0	78.8	80.2	81.0	81.8	81.8	79.4	79.1	77.2	80.0	80.6	79.1	78.2	78.0	79.3	80.2	80.0	79.8	79.8	79.5	82.1	77.0
„ 19,	79.0	79.4	79.3	79.3	79.4	79.4	80.2	81.0	80.1	82.4	82.9	82.8	85.1	85.7	84.9	84.5	82.9	80.4	79.6	79.2	79.0	78.4	78.0	77.7	80.9	86.3	77.7
„ 20,	77.4	76.9	76.5	76.8	76.8	77.3	78.6	80.5	81.7	82.6	83.8	83.8	84.8	86.6	85.8	85.8	84.4	82.5	81.5	81.2	80.5	80.1	79.4	79.6	81.0	88.4	76.1
„ 21,	79.7	78.6	78.3	79.3	77.2	78.8	80.3	81.4	82.2	83.8	84.0	86.1	86.2	84.5	83.6	80.8	80.1	80.8	80.5	77.9	78.1	78.0	78.4	78.0	80.7	87.1	77.1
„ 22,	78.0	77.8	78.3	78.8	78.8	79.0	80.4	80.6	82.4	84.2	83.8	85.0	85.1	86.5	85.0	84.0	83.2	82.2	81.4	81.2	80.3	79.6	79.2	79.4	81.4	86.9	76.6
„ 23,	79.6	79.6	78.8	79.6	79.3	78.9	79.2	80.1	81.8	83.1	83.5	82.8	84.8	85.2	85.1	86.1	84.2	82.6	81.7	81.3	81.3	81.2	81.2	81.1	81.8	87.4	78.4
„ 24,	81.1	81.2	80.8	80.6	80.4	80.5	81.6	82.0	82.8	83.2	85.7	84.8	86.8	87.4	84.8	85.0	83.8	83.2	80.5	80.1	80.7	80.8	80.6	80.1	82.4	89.4	79.4
„ 25,	78.8	76.1	74.9	74.9	75.0	75.1	77.0	77.5	77.5	79.6	79.4	78.0	78.0	78.8	76.2	75.8	77.2	77.3	77.5	77.4	77.6	76.7	77.0	77.4	77.1	80.7	74.9
„ 26,	77.0	76.9	76.9	76.3	76.9	77.6	77.9	78.8	78.5	78.1	80.1	82.2	83.2	81.8	80.7	81.1	80.8	79.8	79.4	78.6	79.0	78.3	78.2	77.3	79.0	85.9	76.3
„ 27,	77.7	77.7	76.2	75.3	75.1	75.7	78.0	78.2	79.4	82.5	79.5	80.5	80.7	80.6	81.6	82.2	81.7	80.2	79.5	79.5	79.3	79.4	78.7	77.8	79.0	84.2	75.1
„ 28,	77.8	77.6	77.7	77.6	77.7	78.3	79.8	80.8	81.8	83.8	83.5	84.6	86.3	83.7	82.5	83.6	83.0	81.6	81.3	81.2	80.5	80.2	80.2	80.6	81.1	89.3	76.9
„ 29,	80.5	80.5	80.3	80.4	79.9	80.0	80.9	82.2	83.3	84.2	84.3	85.0	85.7	88.4	87.1	87.5	86.4	84.3	83.9	83.6	83.5	83.2	82.3	82.2	83.3	88.8	78.9
„ 30,	82.1	81.7	81.7	82.2	81.4	81.0	82.1	82.8	83.8	85.8	87.1	86.0	88.4	88.4	88.0	87.6	86.8	84.6	84.5	84.3	83.6	83.0	81.8	81.9	84.2	88.9	81.0
„ 31,	81.8	81.7	81.7	81.6	81.4	81.5	81.8	83.0	84.8	86.1	87.0	88.8	88.5	88.5	88.4	88.6	88.4	86.0	84.1	83.5	83.5	82.3	81.6	81.5	84.4	90.4	81.0
Means,	80.0	79.7	79.5	79.4	79.3	79.3	80.2	81.2	81.9	83.0	83.6	84.0	84.3	84.5	84.1	83.9	82.9	81.8	81.2	80.9	80.8	80.3	80.1	80.2	81.5	86.5	78.0

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF AUGUST, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
Aug. 1, ...	77.0	77.2	77.4	77.1	77.0	77.0	77.6	77.6	77.0	79.2	77.1	77.8	78.6	78.6	77.8	79.0	78.7	77.4	76.5	77.5	76.3	74.6	75.5	75.9	77.3	144.4
„ 2, ...	74.8	74.8	74.4	74.5	75.4	76.2	77.0	77.7	76.7	76.0	77.8	78.3	78.7	78.8	78.9	78.8	79.6	78.9	77.7	78.0	78.2	76.9	76.6	76.4	77.1	143.6
„ 3, ...	76.8	76.5	76.3	76.1	76.1	76.5	76.1	77.2	76.4	77.0	77.0	76.4	76.8	76.6	78.0	76.8	76.7	77.1	76.3	75.9	75.9	74.9	75.7	74.7	76.4	141.9
„ 4, ...	74.8	74.4	74.6	75.0	74.8	74.6	75.0	76.3	76.9	75.8	75.8	76.6	75.9	76.4	76.6	76.0	76.4	76.9	77.0	76.4	76.7	77.1	77.4	77.2	76.0	132.0
„ 5, ...	76.8	76.9	76.4	77.1	76.6	77.1	77.0	77.2	77.2	77.9	77.7	77.7	77.5	76.0	77.5	77.5	77.4	76.4	77.3	78.1	77.5	77.7	76.7	76.7	77.2	133.5
„ 6, ...	77.3	77.1	77.0	77.0	76.4	76.1	76.5	76.1	76.2	78.7	77.8	77.5	77.7	80.0	79.0	79.6	78.4	78.4	77.6	77.6	77.8	77.6	77.3	77.6	77.6	149.4
„ 7, ...	77.5	77.6	78.1	77.8	77.5	77.6	77.7	78.7	79.6	79.9	78.1	77.1	79.6	79.9	78.9	80.0	78.6	78.7	79.3	78.9	79.0	79.1	79.1	79.4	78.7	144.1
„ 8, ...	79.7	79.5	79.4	79.2	79.4	79.6	79.8	79.5	79.9	81.0	81.2	81.0	81.6	82.0	81.8	82.4	81.2	80.4	79.5	79.1	79.2	79.2	79.1	79.4	80.2	137.8
„ 9, ...	79.7	79.7	80.1	80.2	80.1	80.2	79.2	79.8	78.3	78.8	79.1	80.4	80.2	79.9	78.5	78.6	78.2	78.7	78.6	78.1	77.8	78.1	78.3	78.1	79.1	121.0
„ 10, ...	77.8	77.7	77.7	77.5	77.3	76.6	78.7	78.1	78.5	79.0	78.9	78.0	78.0	78.6	77.0	77.8	78.0	78.0	77.9	77.9	77.7	77.2	77.1	77.3	77.8	143.0
„ 11, ...	76.6	76.6	76.7	77.0	76.6	76.7	77.4	77.4	77.3	78.4	78.1	77.9	77.0	76.8	77.7	77.6	78.2	77.8	77.3	77.4	77.4	77.3	76.7	77.1	77.3	147.8
„ 12, ...	76.9	76.8	76.8	75.8	75.6	75.2	75.1	75.0	75.8	76.1	75.8	78.7	77.7	76.7	78.0	78.6	78.2	78.0	77.1	76.6	77.1	76.4	75.6	75.6	76.6	153.6
„ 13, ...	75.2	75.4	75.6	75.8	75.8	76.0	75.8	76.2	76.4	74.9	76.4	76.1	75.9	76.0	75.8	75.4	75.8	75.2	75.3	76.1	76.6	75.7	76.5	76.7	75.9	143.3
„ 14, ...	75.8	77.4	75.7	75.1	76.5	77.1	77.9	77.6	74.1	75.3	77.0	78.4	78.2	77.3	77.7	77.4	76.7	77.7	76.9	76.7	76.5	76.5	77.2	77.9	76.9	139.5
„ 15, ...	77.5	77.3	77.3	77.2	77.2	77.3	78.0	77.4	77.6	78.6	79.0	78.7	78.7	78.2	78.4	78.0	77.8	77.7	76.9	77.6	77.3	77.3	77.2	77.4	77.7	143.7
„ 16, ...	77.6	77.5	77.3	76.8	77.2	77.7	77.7	77.8	78.0	78.0	79.0	79.3	79.0	79.9	79.7	80.2	79.2	78.5	77.9	79.0	77.6	78.4	78.4	78.8	78.4	142.0
„ 17, ...	79.4	77.5	76.9	77.7	77.7	77.7	74.8	74.4	76.2	76.3	75.4	76.0	76.5	76.8	76.6	76.6	75.7	74.8	75.0	75.4	75.5	76.0	76.3	75.4	76.3	152.4
„ 18, ...	75.1	73.6	73.3	74.4	75.5	75.9	75.0	76.4	77.5	77.2	75.8	74.0	75.6	74.3	76.1	76.0	75.7	75.8	76.4	77.3	76.9	77.1	76.9	76.6	75.8	144.2
„ 19, ...	76.7	76.7	76.5	76.4	76.4	76.3	76.2	76.4	77.3	77.0	77.3	76.4	78.4	78.2	79.0	76.7	76.7	76.7	76.2	76.3	75.9	76.0	75.8	75.9	76.7	150.1
„ 20, ...	76.2	75.8	75.2	75.5	75.6	75.7	76.3	77.0	76.3	76.8	78.0	78.0	78.0	78.9	78.0	78.6	77.9	77.9	77.7	77.7	77.6	77.9	78.5	77.2	77.2	140.6
„ 21, ...	77.5	75.4	75.1	75.4	74.3	75.8	76.7	76.7	77.2	77.0	76.4	76.0	74.6	76.1	76.3	75.8	74.6	75.9	75.6	74.0	74.4	74.7	74.3	74.6	75.6	147.8
„ 22, ...	74.8	73.9	74.1	74.9	75.2	75.1	75.0	75.7	76.2	76.4	76.1	76.0	76.8	76.6	76.7	77.2	76.3	74.0	74.7	75.9	75.3	75.3	75.6	75.9	75.6	149.9
„ 23, ...	75.8	75.6	74.9	75.3	75.4	75.4	76.2	76.3	75.9	76.4	76.7	76.1	76.9	76.8	76.0	78.1	77.0	76.5	76.3	77.2	77.3	77.3	76.9	77.6	76.4	147.5
„ 24, ...	77.7	77.8	77.6	77.3	77.5	77.5	78.3	77.6	77.0	78.2	78.8	78.6	80.2	79.3	78.3	78.4	77.7	78.2	75.6	76.0	77.4	77.4	77.4	77.6	77.8	148.9
„ 25, ...	78.8	76.1	74.9	74.9	75.0	75.0	75.2	75.2	75.2	77.0	75.8	76.0	76.0	76.7	75.8	74.9	75.8	75.8	75.6	75.6	76.4	76.2	76.4	75.8	75.8	141.6
„ 26, ...	76.0	76.0	76.6	75.4	75.7	75.6	76.7	76.6	76.9	76.5	76.7	77.2	78.0	78.0	77.7	76.6	77.0	76.6	76.2	76.4	76.2	76.1	75.7	76.2	76.5	142.5
„ 27, ...	76.6	76.6	75.7	75.0	74.7	75.5	76.1	76.7	76.4	78.4	76.9	77.3	77.2	77.4	78.0	78.0	77.4	77.2	77.2	77.0	77.2	77.2	76.7	75.9	76.8	137.9
„ 28, ...	76.0	76.2	76.3	76.2	76.3	76.5	77.9	77.7	77.8	78.6	78.6	77.6	80.0	79.2	78.4	78.4	77.6	77.3	77.8	77.8	77.9	77.6	77.6	77.9	77.6	148.3
„ 29, ...	78.0	78.3	77.8	76.6	76.7	76.9	77.0	77.3	78.0	78.4	80.0	79.9	78.8	80.0	78.0	78.8	79.3	79.0	79.7	79.9	80.0	80.4	79.7	78.7	78.6	144.6
„ 30, ...	78.7	78.9	78.3	77.5	78.2	78.4	77.2	78.1	78.6	79.2	80.0	79.2	81.3	79.3	78.7	77.4	78.0	78.3	77.6	79.4	80.0	79.6	79.6	79.3	78.8	149.4
„ 31, ...	78.4	78.4	78.4	78.2	78.8	78.3	77.9	78.3	79.0	80.0	80.2	80.7	80.2	80.0	79.7	80.2	79.6	79.7	79.6	79.6	79.5	79.6	79.8	79.6	79.3	148.4
Means, ...	77.0	76.7	76.5	76.4	76.5	76.7	76.9	77.1	77.1	77.7	77.7	77.7	78.1	78.0	77.9	77.9	77.6	77.4	77.1	77.3	77.3	77.2	77.1	77.1	77.3	143.7

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF AUGUST, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	87	0.889	Aug. 1,.....	79	0.873
2 „	87	.880	„ 2,.....	80	.868
3 „	87	.873	„ 3,.....	71	.817
4 „	87	.870	„ 4,.....	78	.832
5 „	88	.876	„ 5,.....	89	.900
6 „	89	.885	„ 6,.....	82	.891
7 „	86	.881	„ 7,.....	88	.931
8 „	83	.877	„ 8,.....	83	.978
9 „	80	.868	„ 9,.....	85	.947
10 „	78	.880	„ 10,.....	80	.890
11 „	75	.872	„ 11,.....	84	.887
Noon.	74	.865	„ 12,.....	76	.839
1 p.	75	.879	„ 13,.....	80	.837
2 „	74	.872	„ 14,.....	86	.883
3 „	75	.873	„ 15,.....	84	.900
4 „	75	.876	„ 16,.....	81	.912
5 „	78	.876	„ 17,.....	81	.850
6 „	81	.882	„ 18,.....	84	.843
7 „	83	.877	„ 19,.....	82	.864
8 „	85	.890	„ 20,.....	84	.884
9 „	85	.891	„ 21,.....	78	.818
10 „	87	.894	„ 22,.....	76	.809
11 „	87	.892	„ 23,.....	77	.838
Midt.	87	.892	„ 24,.....	81	.892
			„ 25,.....	94	.876
			„ 26,.....	89	.880
			„ 27,.....	90	.893
			„ 28,.....	85	.901
			„ 29,.....	80	.916
			„ 30,.....	77	.913
			„ 31,.....	79	.933
Means,.....	82	0.880	Means.	82	0.880

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
Aug. 1,.....	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.6
„ 2,.....	...	0.1	0.8	0.5	...	...	...	...	...	...	...	...	...	1.4
„ 3,.....	...	...	0.4	0.1	0.4	1.0	1.0	1.0	1.0	0.8	0.4	...	...	6.1
„ 4,.....	...	...	...	0.3	0.1	...	...	...	...	0.2	0.3	0.1	...	1.0
„ 5,.....	...	...	...	...	...	0.1	...	...	0.1	0.4	...	..	...	0.6
„ 6,.....	...	0.6	0.5	0.6	0.3	0.5	0.9	0.7	1.0	0.9	0.9	1.0	0.3	8.2
„ 7,.....	...	0.1	0.9	0.9	1.0	0.6	1.0	1.0	0.9	0.7	0.9	0.2	...	8.2
„ 8,.....	...	...	...	...	0.2	0.7	0.9	1.0	1.0	1.0	0.9	...	...	5.7
„ 9,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,.....	...	0.3	0.8	0.6	1.0	0.9	0.9	1.0	1.0	0.9	0.8	0.7	...	8.9
„ 11,.....	...	0.3	0.9	0.7	0.8	0.7	0.9	0.9	0.2	0.8	0.7	0.6	0.3	7.8
„ 12,.....	...	...	...	...	0.8	0.9	1.0	0.4	0.7	1.0	0.9	...	...	5.7
„ 13,.....	...	...	...	0.4	0.8	1.0	0.2	0.7	0.6	0.2	1.0	0.4	0.1	5.4
„ 14,.....	...	...	...	0.1	...	0.2	0.8	0.3	1.0	0.9	0.5	...	...	3.8
„ 15,.....	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	11.1
„ 16,.....	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	11.8
„ 17,.....	...	...	...	...	0.6	0.3	0.3	0.2	0.8	0.7	0.1	0.1	...	3.1
„ 18,.....	...	...	...	...	0.9	0.4	0.1	0.5	0.6	1.0	1.0	0.5	...	5.0
„ 19,.....	...	0.6	0.2	0.3	1.0	0.8	0.5	1.0	1.0	1.0	1.0	0.7	...	8.1
„ 20,.....	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.3
„ 21,.....	...	0.5	0.9	0.4	0.9	0.9	1.0	0.8	0.8	0.9	0.1	...	...	7.2
„ 22,.....	...	0.8	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.9	...	...	...	8.6
„ 23,.....	...	...	...	0.8	1.0	1.0	0.7	0.9	1.0	1.0	1.0	1.0	0.3	8.7
„ 24,.....	0.2	1.0	1.0	1.0	1.0	0.8	0.8	1.0	1.0	0.5	0.3	...	...	8.6
„ 25,.....	...	0.1	0.1	...	0.8	0.3	...	...	...	...	...	...	...	1.3
„ 26,.....	...	...	0.1	...	...	0.3	0.8	1.0	0.6	0.7	0.3	0.2	...	4.0
„ 27,.....	...	...	...	0.1	0.2	...	...	...	...	0.8	1.0	0.5	...	2.6
„ 28,.....	...	0.7	0.9	1.0	1.0	0.6	0.6	0.9	0.5	0.1	0.7	0.5	...	7.5
„ 29,.....	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	10.6
„ 30,.....	0.1	0.5	0.9	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0	0.8	...	9.8
„ 31,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	0.8	...	10.2
Sums,.....	1.0	10.9	15.4	15.8	20.8	19.9	19.9	21.3	21.6	22.4	19.8	12.5	2.6	203.9

TABLE VI.

RAINFALL FOR THE MONTH OF AUGUST, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
Aug. 1,	...	0.065	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.140	0.275	...	...	0.490	3
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	...	...	0.010	...	...	...	0.030	1
„ 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.060	0.005	...	...	0.005	...	...	0.005	0.055	...	0.130	3
„ 4,	...	...	...	...	...	...	...	...	...	0.005	0.070	0.070	0.235	0.075	0.175	0.020	0.010	0.160	0.205	0.035	0.140	0.085	0.040	0.005	1.330	13
„ 5,	0.145	0.070	0.060	0.020	0.075	0.140	0.100	0.085	0.010	...	...	...	0.020	0.045	0.015	...	0.030	...	0.005	0.015	...	0.005	...	...	0.840	11
„ 6,	...	...	...	...	...	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	0.030	...	...	...	...	...	...	...	...	...	...	0.015	...	0.045	1
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	...	...	...	...	...	...	0.020	0.010	...	...	...	...	...	...	...	...	0.010	...	...	...	...	0.005	0.005	0.005	0.055	2
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.005	...	...	...	...	0.010	...
„ 13,	0.010	0.010	0.010	0.010	...	0.020	0.060	0.060	0.170	0.040	...	...	...	...	0.005	0.005	0.005	...	...	...	...	...	...	0.005	0.410	6
„ 14,	0.020	...	0.190	0.030	0.005	0.105	0.010	...	0.780	0.090	...	...	...	...	...	...	...	...	...	...	0.010	...	...	...	1.240	8
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	0.110	0.010	...	0.080	..	0.200	...	0.045	...	...	0.305	0.065	...	0.005	0.005	0.100	...	...	0.080	...	0.080	0.115	0.050	1.250	10
„ 18,	0.045	...	...	...	0.010	0.010	0.140	...	...	...	...	0.110	0.025	0.025	...	...	...	...	...	...	...	...	0.015	...	0.380	5
„ 19,	...	...	...	...	...	...	...	0.020	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.030	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	...	...	...	...	0.020	...
„ 25,	0.020	0.615	0.210	0.020	0.375	0.040	0.010	...	...	...	...	0.420	0.100	0.060	0.640	0.055	...	...	...	...	0.005	...	0.015	...	2.585	13
„ 26,	...	...	...	...	0.010	...	...	0.030	0.035	...	...	...	...	...	0.040	...	...	...	...	...	...	...	0.050	0.010	0.175	5
„ 27,	...	...	0.305	0.455	0.010	0.010	...	0.070	...	...	0.015	...	...	...	...	...	...	...	...	...	0.005	...	...	...	0.870	6
„ 28,	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.245	0.870	0.785	0.540	0.565	0.325	0.540	0.275	1.050	0.135	0.085	0.940	0.445	0.205	0.940	0.090	0.155	0.180	0.220	0.160	0.310	0.455	0.310	0.075	9.900	87

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF AUGUST, 1898.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Aug. 1	6	12	9	12	8	16	8	12	8	11	7	13	7	13	6	11	6	10	8	10	7	7	10	6	10	8	10	11	10	6	28	5	24	6	15	4	13	10	9	10	28	12	31	5	22	3	...	0	213	8.9	8
" 2	...	1	22	3	24	5	24	4	...	1	24	2	...	1	7	2	6	6	31	7	30	6	...	1	28	5	20	3	...	1	...	1	21	5	21	5	7	9	5	8	3	2	28	5	5	7	4	14	104	4.3	1
" 3	3	7	30	8	1	8	1	8	2	9	5	13	4	13	4	18	4	17	5	16	5	31	5	32	5	33	5	32	7	26	4	12	5	16	6	13	5	13	4	18	4	16	3	16	2	19	2	26	420	17.5	4
" 4	32	18	2	23	1	22	1	17	32	21	1	22	1	24	32	22	1	24	32	24	1	26	1	28	2	28	2	31	3	31	2	37	3	33	6	49	5	55	4	48	5	57	5	58	5	57	6	51	806	33.6	3
" 5	8	62	7	50	6	56	8	52	7	53	10	50	10	48	9	45	12	41	12	37	12	36	13	32	12	25	13	22	11	25	10	24	11	22	8	20	9	20	9	21	10	19	11	14	12	15	13	12	801	33.4	10
" 6	11	13	12	12	11	11	11	12	15	9	3	3	16	6	13	6	17	5	10	8	16	4	16	6	8	5	16	7	16	7	21	4	16	8	17	8	15	5	16	4	16	4	24	2	23	3	20	4	156	6.5	14
" 7	20	4	22	8	22	11	22	7	25	6	25	4	25	7	23	9	25	11	24	10	24	13	25	14	25	13	22	12	20	11	20	12	21	12	19	10	18	9	18	8	21	3	19	13	20	15	20	15	237	9.9	22
" 8	20	16	21	12	21	14	22	8	26	7	23	7	24	5	24	7	21	12	21	10	22	13	21	10	20	13	20	11	22	8	18	13	19	21	19	22	19	16	19	12	19	14	19	19	19	19	19	21	310	12.9	20
" 9	18	20	19	19	19	21	19	19	21	17	20	19	18	22	18	18	19	15	16	10	18	7	17	7	14	7	16	12	20	12	19	4	15	5	16	6	15	7	14	8	13	10	13	7	13	5	13	9	286	11.9	18
" 10	12	6	10	4	10	6	11	7	14	3	14	3	9	6	13	8	17	7	16	7	16	11	17	9	17	8	16	8	16	7	13	10	9	14	10	15	11	12	10	9	10	12	10	12	9	14	10	9	207	8.6	12
" 11	6	7	6	4	6	2	6	2	...	1	4	2	8	2	4	15	4	13	7	15	7	17	8	20	7	20	5	22	8	14	8	21	9	19	7	16	7	16	7	18	4	11	6	11	3	17	6	9	294	12.2	6
" 12	6	11	4	15	7	10	6	11	4	8	32	9	32	11	1	13	2	11	4	15	5	21	4	20	5	14	5	15	7	14	7	12	8	13	8	10	7	8	6	10	4	12	4	12	4	19	4	25	319	13.3	5
" 13	6	19	3	17	3	21	4	23	4	20	5	24	4	23	6	27	7	28	5	30	5	38	6	40	6	40	7	42	7	43	8	47	9	40	8	36	8	38	8	39	8	39	8	43	8	41	8	46	804	33.5	7
" 14	9	43	9	47	9	44	10	34	9	32	11	33	12	36	11	37	15	25	13	15	8	23	8	18	8	19	12	15	9	17	11	16	11	16	8	14	12	11	13	5	9	11	11	13	9	14	8	15	553	23.0	10
" 15	9	13	10	11	12	13	12	13	8	11	10	13	8	14	10	15	10	14	7	15	8	18	7	16	7	17	7	17	8	20	7	17	8	14	8	11	9	10	9	6	8	6	8	8	7	8	7	5	305	12.7	8
" 16	7	7	7	8	7	4	7	2	...	1	...	0	...	1	32	2	24	2	24	4	24	9	22	8	21	11	24	12	22	9	23	7	14	3	14	2	14	2	14	7	9	17	8	14	6	15	7	13	160	6.7	10
" 17	7	15	6	22	5	18	5	20	5	25	5	25	5	38	4	24	6	28	4	31	4	30	4	36	6	46	6	54	6	52	6	54	5	58	7	59	7	60	8	61	7	59	9	56	10	51	11	47	969	40.4	6
" 18	12	45	12	28	12	30	13	33	12	35	12	35	11	36	12	35	13	33	12	29	13	30	15	29	15	11	14	10	6	9	4	11	7	13	8	17	8	15	8	13	12	11	12	11	12	12	13	16	547	22.8	12
" 19	12	11	12	15	13	16	13	16	13	14	11	14	13	16	12	13	14	10	14	14	15	10	14	11	15	9	17	7	16	9	16	9	15	7	15	7	15	4	15	3	15	2	...	1	...	1	...	0	219	9.1	14
" 20	...	1	...	0	...	1	...	1	...	0	...	0	...	1	26	3	23	5	24	7	23	8	24	9	23	8	22	8	24	9	22	9	22	10	22	11	25	12	25	10	25	5	26	5	26	2	...	0	125	5.2	24
" 21	16	12	8	16	9	4	16	2	24	4	24	6	24	4	23	5	8	14	7	11	9	14	11	11	10	11	8	10	28	12	24	12	24	7	25	5	27	15	28	11	22	9	23	5	23	7	...	1	208	8.7	18
" 22	...	0	...	0	25	5	26	12	25	9	25	8	22	7	23	11	24	11	24	14	24	14	23	16	22	12	24	13	24	15	25	14	24	10	20	9	20	10	20	8	19	7	19	4	17	3	18	5	217	9.0	23
" 23	23	9	22	9	24	9	24	10	25	9	25	6	27	3	27	6	26	7	24	9	24	10	24	9	24	8	23	11	24	10	20	10	19	13	19	15	19	11	19	9	19	9	19	9	20	10	20	12	223	9.3	22
" 24	19	12	20	13	24	9	25	4	25	6	24	5	24	5	24	7	24	9	24	7	24	8	22	9	22	10	18	11	20	12	20	10	23	5	21	11	30	5	15	2	...	1	18	2	...	1	8	3	167	7.0	22
" 25	8	6	26	8	24	5	28	4	17	3	26	2	...	1	26	4	8	12	6	12	8	14	16	7	13	3	29	4	11	5	7	2	7	3	6	6	9	4	17	2	17	2	28	3	28	3	...	0	115	4.8	7
" 26	2	3	1	2	32	4	30	5	...	1	...	1	5	4	7	5	8	8	9	7	8	6	8	5	2	3	8	11	15	10	13	7	8	10	15	5	9	6	9	4	10	3	13	4	18	3	26	3	120	5.0	9
" 27	17	2	...	1	21	4	29	7	30	3	...	1	...	0	30	2	29	5	3	2	25	7	30	3	7	13	9	13	9	9	9	9	9	11	8	13	8	10	9	7	11	6	11	3	11	2	...	1	134	5.6	8
" 28	...	1	...	0	14	2	...	0	...	0	...	0	...	0	7	2	22	5	23	6	23	3	26	2	26	4	16	9	15	12	18	8	22	9	20	9	21	9	21	9	24	5	24	5	24	6	27	10	116	4.8	21
" 29	25	12	24	13	26	12	27	11	27	10	27	14	26	15	28	10	24	9	22	9	23	15	23	17	23	15	23	14	22	15	22	13	19	10	19	13	21	11	20	14	20	15	21	8	26	9	23	6	290	12.1	23
" 30	23	7	24	7	25	8	25	9	24	8	26	9	26	10	25	14	25	13	23	12	23	13	22	13	22	12	21	15	23	12	22	13	21	10	24	7	20	3	20	8	21	14	22	11	23	5	23	3	236	9.8	23
" 31	23	7	23	2	...	1	23	4	23	4	23	6	23	4	25	2	23	6	23	8	23	8	24	8	25	9	22	8	24	6	27	5	24	7	19	9	...	1	...	1	17	3	...	1	25	4	25	3	117	4.9	23
Sums	...	402	...	389	...	392	...	369	...	341	...	349	...	376	...	398	...	416	...	411	...	470	...	452	...	440	...	470	...	448	...	428	...	430	...	437	...	417	...	393	...	396	...	380	...	390	...	384	9778	407.4	...
Means	...	13.0	...	12.5	...	12.6	...	11.9	...	11.0	...	11.3	...	12.1	...	12.8	...	13.4	...	13.3	...	15.2	...	14.6	...	14.2	...	15.2	...	14.5	...	13.8	...	13.9	...	14.1	...	13.5	...	12.7	...	12.8	...	12.3	...	12.6	...	12.4	315.4	13.1	...

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
Aug. 1, ...	9	c-cum. / cum.	E	7	cum.	E	4	cum.	E	3	c-cum. / cum.	SE
„ 2, ...	9	sm-cum. / cum.	SE	10	cum.	SE	7	c-cum.	SSE	9	c-cum.	...
„ 3, ...	10	str-cum.	NE	9	nim.	NE	10	c-str. / cum.	NE	9	sm-cum. / cum.	ENE
„ 4, ...	6	sm-cum. / cum.	ENE	8	cum.	ENE	10	cum-nim.	ENE	10	nim.	NE
„ 5, ...	10	nim.	...	10	nim.	...	10	nim.	ESE	10	cum-nim.	SE
„ 6, ...	10	cum.	SSE	10	cum.	SSE	8	c-cum. / cum.	SW	8	c-cum. / cum.	SW
„ 7, ...	9	sm-cum.	WSW	9	sm-cum.	W	6	c-str.	E	9	c-str. / c-cum. / cum.	.. / NNW / W
„ 8, ...	10	cum.	SW	10	cum.	SW	9	c-str. / cum.	...	10	c-str. / c-cum. / cum.	W
„ 9, ...	10	str-cum.	SW	10	str-cum.	SW	10	R-cum.	SW	10	R-cum.	SSW
„ 10, ...	8	cum.	SE	9	cum.	SSE	8	cum.	S	9	c-str. / cum.	SSE
„ 11, ...	4	cum.	ESE	9	cum.	SE	7	sm-cum. / cum.	E / NNE	9	c-cum. / cum.	ENE
„ 12, ...	6	cum.	E	9	cum.	E	10	c-cum. / cum.	NE	9	c-str. / cum.	ENE
„ 13, ...	9	cum.	NE	7	cum.	NE	10	nim.	ENE	6	c-cum. / cum.	E
„ 14, ...	10	nim.	ESE	10	nim.	SE	9	c-cum. / nim.	SE	10	nim.	S
„ 15, ...	8	cum.	SE	7	cum.	SE	3	cum.	SE	7	cum.	S
„ 16, ...	0	...	...	0	...	...	1	c-cum. / sm-cum.	...	2	cum.	N
„ 17, ...	10	nim.	...	10	nim.	...	10	nim.	ENE	9	c-cum. / cum.	ENE
„ 18, ...	10	nim.	...	10	cum-nim.	...	10	nim.	S	9	c-cum. / cum.	SSE
„ 19, ...	7	cum.	E	7	cum.	ESE	9	sm-cum. / cum.	SSE	9	sm-cum. / cum.	SSE
„ 20, ...	0	...	...	0	...	...	1	cum.	...	1	c-cum. / cum.	...
„ 21, ...	8	nim.	...	5	c-str. / sm-cum.	...	4	c-cum. / cum.	WNW	7	c-str. / c-cum. / cum.	NNE
„ 22, ..	7	sm-cum. / cum.	WNW	8	sm-cum.	WNW	8	c-str. / sm-cum.	...	6	c-str. / sm-cum.	WSW
„ 23, ...	4	sm-cum.	NW	8	cum.	NNW	9	c-cum. / cum.	W	7	c-cum. / cum.	WSW
„ 24, ...	3	sm-cum.	WSW	8	cum.	...	8	c-cum. / cum.	SW / ..	6	c-cum. / cum.	WSW / SW
„ 25, ...	10	nim.	ESE	10	nim.	...	9	sm-cum. / cum.	SW	5	sm-cum. / cum.	SW / ENE
„ 26, ...	8	sm-cum.	WNW	10	nim.	NW	8	str-cum.	...	10	sm-cum. / nim.	S
„ 27, ...	9	cum.	SSW	10	nim.	...	7	sm-cum. / cum.	SE / SSW	9	sm-cum. / cum.	SSW
„ 28, ...	7	cum.	SW	5	sm-cum. / cum.	...	3	c-cum. / sm-cum. / cum.	W	5	sm-cum. / cum-str. / cum.	W
„ 29, ...	1	sm-cum.	W	4	sm-cum.	WNW	3	c-str. / cum.	WNW	2	c-str. / cum.	E / WNW
„ 30, ...	9	c-cum. / cum.	W	4	sm-cum. / cum.	...	8	c-cum. / cum.	WNW	5	c-cum. / cum.	W
„ 31, ...	8	c-cum.	...	6	c-cum. / cum.	W	8	c-str. / cum.	W	5	c-cum. / cum.	W
Means, ...	7.4	...	...	7.7	...	...	7.3	...	...	7.3	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
Aug. 1,...	2	c-cum. / cum.	...	2	c-cum.	...	10	cum.	...	10	nim.	...	5.9
„ 2,...	10	sm-cum.	...	10	str-cum.	...	10	str-cum.	NE	9	c-str. / cum.	...	9.2
„ 3,...	3	c-cum. / cum.	ENE	9	c-cum. / cum.	ENE	9	sm-cum. / cum.	ENE	9	sm-cum. / nim.	NE	8.5
„ 4,...	10	nim.	NE	10	c-cum. / R-cum. / cum-nim.	.. / ENE / NE	10	nim.	ENE	10	nim.	ENE	9.3
„ 5,...	10	nim.	SE	10	cum-nim.	ESE	10	cum-nim.	ESE	10	str. / cum.	SE	10.0
„ 6,...	8	c-cum. / cum.	SSW	2	c-str. / cum.	WSW	4	cum.	WSW	3	cum.	...	6.6
„ 7,...	9	c-cum. / cum.	NNW / W	9	c-cum / cum.	W	10	str. / cum.	...	10	str. / cum.	...	8.9
„ 8,...	10	c-cum. / cum.	W	10	c-str. / cum.	W	10	c-cum. / cum.	W	10	cum.	W	9.9
„ 9,...	10	str. / cum.	SSW	10	c-str. / cum.	SSW	10	c-str. / cum.	SSW	3	cum.	...	9.1
„ 10,...	10	c-str. / cum.	SSE	9	c-cum. / cum.	SSE	8	c-cum. / cum.	SE	6	cum-nim.	...	8.4
„ 11,...	9	c-cum. / cum.	ENE	8	c-cum. / cum.	E	2	cum.	E	9	str-cum.	...	7.1
„ 12,...	8	c-cum. / cum.	ENE	8	c-cum. / cum.	NE	9	c-cum. / nim.	ENE	1	cum.	...	7.5
„ 13,...	9	c-cum. / nim.	E	7	c-cum. / cum.	E	9	cum.	ESE	1	cum.	...	7.2
„ 14,...	10	c-cum. / cum.	SSE	8	c-cum. / cum.	SSE	9	c-cum. / cum.	SSE	2	cum.	...	8.5
„ 15,...	2	cum.	S	2	cum.	SSE	1	cum.	...	1	cum.	...	3.9
„ 16,...	3	cum.	...	3	cum.	NNW	1	c-cum.	...	1	cum.	...	1.4
„ 17,...	10	c-str. / cum.	E	10	R-cum.	ENE	10	R-cum.	ESE	10	nim.	...	9.9
„ 18,...	9	c-cum. / cum.	SSE	2	c-cum. / cum.	SSE	7	cum. / nim.	SSE / S	4	cum.	...	7.6
„ 19,...	8	sm-cum. / cum.	NNE / SSE	3	sm-cum. / cum.	SSE	6	sm-cum. / cum.	...	0	...	...	6.1
„ 20,...	2	sm-cum. / cum.	...	1	c-cum. / cum.	WNW	3	c-cum.	...	8	sm-cum.	SW	2.0
„ 21,...	7	c-cum. / cum.	N	10	c-cum. / cum.	NNW	9	sm-cum. / cum.	NNW	1	cum.	...	6.4
„ 22,...	4	c-cum. / cum.	SW	8	sm-cum. / cum.	W / SW	8	sm-cum.	...	1	cum.	...	6.3
„ 23,...	8	c-cum. / cum.	W / WSW	3	c-cum. / cum.	WSW	2	sm-cum. / cum.	...	3	cum.	...	5.5
„ 24,...	7	c-cum. / cum.	W / SW	8	c-str. / cum.	WSW / ..	10	cum. / nim.	...	5	cum.	...	6.9
„ 25,...	10	nim.	S	10	nim.	...	7	sm-cum. / cum.	...	9	c-cum. / cum.	...	8.8
„ 26,...	8	c-cum. / cum.	...	8	c-str. / cum.	...	10	c-str. / cum.	SW / ..	10	c-str. / cum.	...	9.0
„ 27,...	9	sm-cum. / cum.	...	9	c-str. / sm-cum. / cum.	...	10	sm-cum. / cum.	W / ..	10	sm-cum / nim.	SSW	9.1
„ 28,...	8	c-cum. / cum.	SW	8	c-cum. / cum.	WSW	6	c-str.	...	1	c-str.	...	5.4
„ 29,...	9	c-str. / cum.	E / NW	4	c-str. / cum.	W	7	c-str.	...	10	c-str. / sm-cum.	NNW	5.0
„ 30,...	3	c-str. / cum.	...	8	c-cum. / cum.	...	4	c-cum. / cum.	...	4	c-str. / c-cum. / cum.	WNW	5.6
„ 31,...	3	c-cum. / cum.	...	8	c-cum. / cum.	WNW	8	c-cum. / cum.	...	4	c-cum. / sm-cum.	...	6.2
Means,...	7.4	...	...	7.0	...	...	7.4	...	...	5.6	...	...	7.1

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF AUGUST, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	1.7	8.1	3.9	2.1	− 2.2	+ 6.0	E 21° S
2 „	2.6	7.6	3.1	2.6	− 0.5	5.0	E 5° S
3 „	3.0	7.1	3.0	2.9	0.0	4.2	E
4 „	2.7	6.4	3.2	2.7	− 0.5	3.7	E 6° S
5 „	2.9	6.0	2.2	2.5	+ 0.7	3.5	E 12° N
6 „	2.8	6.3	3.0	2.5	− 0.2	3.8	E 3° S
7 „	3.2	6.7	3.5	2.1	− 0.3	4.6	E 3° S
8 „	3.6	7.0	3.4	2.6	+ 0.2	4.4	E 3° N
9 „	2.9	6.5	4.2	3.2	− 1.3	3.3	E 22° S
10 „	3.4	6.7	3.5	3.0	− 0.1	3.7	E 1° S
11 „	3.5	7.9	3.2	4.0	+ 0.3	3.9	E 4° N
Noon.	3.5	6.8	4.0	3.7	− 0.5	3.1	E 9° S
1 p.	3.5	8.0	3.1	3.6	+ 0.4	4.4	E 6° N
2 „	3.3	8.0	4.3	3.4	− 1.0	4.6	E 12° S
3 „	2.4	8.1	3.5	3.6	1.1	4.5	E 14° S
4 „	2.8	7.5	3.3	3.5	0.5	4.0	E 8° S
5 „	2.3	8.0	3.9	3.2	1.6	4.8	E 18° S
6 „	1.4	8.9	3.8	2.8	2.4	6.1	E 22° S
7 „	2.3	9.0	3.2	2.2	0.9	6.8	E 7° S
8 „	2.2	8.4	2.9	2.0	0.7	6.4	E 6° S
9 „	2.6	8.3	3.1	2.2	0.5	6.1	E 5° S
10 „	2.3	7.9	3.2	2.2	− 0.9	5.7	E 9° S
11 „	3.1	7.9	3.0	2.3	+ 0.1	5.6	E 1° N
Midt.	2.8	7.8	3.4	1.9	− 0.6	+ 5.9	E 6° S
Means, ...	2.8	7.5	3.4	2.8	− 0.59	+ 4.75	E 7° S

PHENOMENA :—

Solar halo :—on the 7th, 8th, 9th, 10th, 17th, 21st, 22nd, 23rd, 24th and 26th.

Solar corona :—on the 29th.

Lunar halo :—on the 1st, 6th, 26th, 29th and 30th.

Lunar corona :—on the 2th, 5th, 9th, 23rd, 28th and 29th.

Fog :—on the 20th and 27th.

Slight fog :—on the 24th, 25th and 31st.

Haze :—on the 2nd, 16th and 26th.

Unusual Visibility :—on the 12th and 21st.

Dew :—on the 2nd, 7th, 8th, 9th, 15th, 20th, 21st, 23rd, 28th and 29th.

Rainbow :—on the 3rd, 11th, 13th, 14th, 25th and 27th.

Lightning without thunder :—on the 2nd, 3rd, 7th, 8th, 9th, 10th, 12th, 13th, 16th, 20th, 24th, 25th, 26th, 30th and 31st.

Thunder without lightning :—on the 30th and 31st.

Thunder and lightning :—on the 28th.

Thunderstorms:—on the 1st, 8.5 p.—10.30 p., in N, nearest at 9.42 p., (5ˢ) ; on the 17th, 1.45 a.—3.30 a., in NW, nearest at 1.50 a., (2ˢ); on the 21st, 2 p.—5 p., in NW, distant; on the 27th, 3 a.—4 a., in N, distant.

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF SEPTEMBFR, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Sept. 1,...	29.639	29.636	29.616	29.616	29.619	29.641	29.670	29.686	29.695	29.715	29.704	29.680	29.671	29.657	29.645	29.640	29.640	29.665	29.679	29.691	29.705	29.721	29.717	29.707	29.669
" 2,...	.686	.678	.680	.690	.698	.710	.726	.730	.743	.764	.761	.752	.729	.710	.697	.691	.694	.711	.725	.749	.767	.777	.775	.769	.725
" 3,...	.766	.737	.717	.726	.728	.736	.764	.774	.791	.796	.789	.774	.764	.754	.739	.722	.721	.721	.737	.765	.784	.789	.798	.789	.758
" 4,...	.775	.758	.757	.756	.759	.769	.786	.800	.811	.817	.808	.809	.776	.769	.770	.769	.752	.742	.753	.775	.790	.790	.789	.791	.778
" 5,...	.785	.768	.758	.754	.760	.775	.791	.790	.801	.799	.800	.795	.773	.763	.743	.730	.721	.714	.716	.727	.748	.764	.764	.759	.762
" 6,...	.753	.743	.739	.743	.747	.760	.768	.770	.772	.781	.771	.749	.741	.733	.710	.700	.698	.704	.720	.732	.743	.741	.749	.749	.742
" 7,...	.746	.729	.729	.727	.743	.759	.771	.788	.800	.795	.797	.791	.771	.751	.724	.716	.699	.709	.726	.743	.757	.773	.779	.771	.754
" 8,...	.752	.750	.747	.749	.758	.768	.787	.797	.809	.809	.801	.794	.779	.749	.728	.716	.704	.700	.714	.732	.754	.767	.767	.749	.758
" 9,...	.748	.736	.728	.724	.733	.747	.760	.779	.786	.783	.771	.760	.744	.719	.690	.683	.691	.707	.709	.749	.751	.760	.756	.752	.740
" 10,...	.736	.736	.724	.711	.721	.737	.753	.757	.772	.767	.771	.751	.721	.706	.703	.702	.707	.716	.732	.753	.761	.753	.759	.746	.737
" 11,...	.749	.748	.736	.745	.751	.756	.780	.793	.812	.806	.799	.793	.770	.745	.728	.724	.727	.732	.753	.778	.783	.789	.789	.778	.765
" 12,...	.766	.756	.756	.752	.770	.782	.786	.796	.811	.807	.804	.787	.763	.730	.716	.707	.704	.722	.731	.745	.764	.774	.776	.771	.762
" 13,...	.753	.739	.734	.728	.738	.746	.746	.766	.779	.777	.762	.743	.717	.691	.674	.666	.662	.667	.685	.708	.729	.737	.735	.728	.725
" 14,...	.708	.693	.689	.687	.694	.718	.735	.736	.754	.747	.737	.719	.698	.687	.669	.662	.663	.666	.693	.712	.733	.739	.738	.727	.709
" 15,...	.720	.713	.699	.693	.693	.706	.717	.733	.751	.750	.741	.724	.701	.676	.663	.662	.667	.683	.703	.724	.735	.753	.746	.732	.712
" 16,...	.721	.714	.711	.701	.704	.719	.731	.749	.754	.762	.762	.741	.718	.687	.679	.679	.675	.688	.700	.723	.748	.748	.743	.735	.721
" 17,...	.716	.711	.708	.704	.705	.719	.723	.752	.753	.764	.762	.757	.730	.713	.687	.682	.684	.685	.698	.724	.748	.751	.757	.757	.725
" 18,...	.737	.725	.712	.711	.721	.728	.746	.757	.765	.768	.767	.756	.743	.723	.719	.710	.704	.706	.710	.725	.744	.745	.748	.750	.734
" 19,...	.750	.741	.740	.733	.730	.737	.751	.764	.770	.776	.769	.753	.732	.716	.698	.698	.707	.707	.717	.746	.769	.778	.773	.775	.743
" 20,...	.766	.755	.747	.745	.759	.771	.789	.806	.815	.817	.812	.796	.774	.758	.741	.732	.731	.748	.777	.795	.822	.834	.825	.819	.781
" 21,...	.811	.802	.793	.778	.788	.801	.824	.836	.862	.869	.871	.866	.849	.829	.817	.809	.803	.795	.795	.812	.824	.841	.843	.841	.823
" 22,...	.819	.807	.797	.804	.807	.816	.830	.857	.884	.881	.869	.853	.846	.819	.796	.779	.792	.799	.813	.825	.835	.844	.836	.836	.827
" 23,...	.832	.823	.803	.792	.799	.814	.831	.858	.874	.876	.871	.858	.839	.822	.803	.791	.793	.793	.813	.841	.865	.875	.875	.863	.833
" 24,...	.842	.827	.816	.816	.818	.831	.850	.871	.876	.881	.878	.872	.846	.823	.810	.800	.800	.822	.834	.852	.860	.872	.877	.871	.844
" 25,...	.869	.857	.845	.835	.847	.860	.869	.877	.890	.884	.871	.844	.817	.796	.783	.777	.787	.793	.805	.831	.859	.855	.849	.849	.840
" 26,...	.839	.823	.802	.793	.805	.819	.831	.852	.854	.857	.844	.828	.798	.771	.760	.761	.764	.773	.786	.806	.829	.840	.829	.821	.812
" 27,...	.808	.794	.783	.771	.785	.810	.828	.843	.857	.859	.850	.828	.805	.788	.774	.779	.775	.785	.801	.820	.840	.849	.843	.832	.813
" 28,...	.820	.808	.802	.797	.801	.817	.835	.853	.854	.851	.836	.813	.792	.764	.742	.732	.732	.733	.741	.752	.771	.777	.775	.765	.790
" 29,...	.750	.731	.715	.717	.719	.727	.733	.751	.755	.758	.741	.714	.680	.650	.632	.623	.632	.630	.648	.660	.649	.661	.665	.631	.691
" 30,...	.609	.601	.588	.574	.572	.590	.612	.619	.619	.604	.574	.547	.500	.466	.451	.460	.454	.465	.477	.501	.517	.526	.519	.520	.540
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,.....	29.759	29.748	29.739	29.736	29.742	29.756	29.771	29.785	29.796	29.797	29.790	29.775	29.753	29.732	29.716	29.710	29.709	29.716	29.730	29.750	29.766	29.774	29.773	29.766	29.754

TABLE II.

TEMPERATURE FOR THE MONTH OF SEPTEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Sept. 1,	81.0	80.6	80.4	80.1	80.3	79.7	81.0	82.8	84.5	83.4	81.5	83.4	86.8	86.9	85.1	84.6	83.6	82.4	81.6	81.7	82.8	81.4	81.2	80.7	82.4	88.3	79.7
" 2,	80.7	79.9	80.0	80.6	80.6	80.6	79.0	81.0	81.5	77.8	79.2	79.5	82.7	82.8	83.9	82.5	82.7	81.4	80.7	80.3	79.8	79.5	79.5	79.0	80.6	84.5	76.8
" 3,	74.6	74.9	75.2	75.6	76.0	75.6	77.0	78.9	80.5	82.0	84.8	84.1	82.8	79.5	79.5	80.1	79.5	78.7	78.2	78.5	78.2	78.3	78.2	78.9	78.7	85.8	74.0
" 4,	78.0	77.9	78.4	78.4	78.4	79.7	80.8	81.4	80.6	81.5	82.6	80.9	82.5	82.0	81.2	82.1	81.9	81.6	81.2	81.3	80.8	81.1	80.1	79.7	80.6	83.1	77.9
" 5,	79.3	79.4	79.3	79.0	78.8	78.2	80.1	82.0	82.8	83.7	85.0	86.3	85.8	85.1	86.6	85.8	83.7	81.8	81.3	80.5	80.2	80.1	79.9	80.0	81.9	87.2	78.0
" 6,	79.9	79.7	78.8	78.4	78.2	78.5	79.0	81.8	83.5	84.2	84.8	87.3	88.2	87.8	87.1	85.6	85.0	83.5	82.3	81.8	81.3	80.8	80.2	80.1	82.4	88.9	78.2
" 7,	79.7	79.9	79.8	79.2	78.9	78.9	80.4	81.4	83.7	84.9	87.1	86.8	87.0	87.6	87.8	86.6	85.1	83.5	82.3	82.0	81.0	80.7	80.2	79.5	82.7	88.6	77.4
" 8,	79.7	79.2	79.3	79.0	78.9	79.4	80.9	83.4	83.1	84.6	85.6	86.5	87.0	87.2	87.7	86.8	85.0	83.0	82.0	81.6	80.7	80.6	80.1	79.6	82.5	88.2	78.4
" 9,	79.1	79.1	79.0	78.6	79.1	78.6	80 8	82.0	83.1	84.4	85.2	86.0	87.5	87.2	85.1	85.4	83.9	82.5	81.6	82.3	80.8	78.9	79.6	79.3	82.0	88.3	78.1
" 10,	79.3	79.0	78.9	79.1	78.6	77.8	76.9	78.3	79.9	82.0	81.0	82.0	81.2	82.7	81.3	79.7	79.1	76.7	75.9	77.2	77.2	77.1	77.6	77.9	79.0	83.4	75.6
" 11,	77.1	74.1	74.1	73.8	74.5	75.1	75.4	75.2	76.2	79.8	79.5	79.4	80.0	80.8	80.8	80.1	78.8	78.2	78.1	78.1	78.2	78.0	78.6	78.9	77.6	81.5	73.7
" 12,	78.2	77.7	74.6	75.2	75.4	74.5	74.9	75.6	76.3	79.4	80.2	80.8	80.3	81.0	80.1	80.6	80.1	78.9	78.4	78.3	78.1	78.0	77.7	77.9	78.0	82.6	73.8
" 13,	77.1	76.9	76.4	76.3	76.1	76.3	77.6	80.0	82.1	83.3	84.7	85.1	82.9	82.5	82.8	79.8	80.0	79.1	78.7	78.6	78.5	78.4	78.5	77.8	79.6	86 0	76.1
" 14,	77.7	77.6	77.8	77.6	76.8	77.4	79.0	81.0	82.2	82.7	83.8	84.3	81.0	79.3	79.8	81.6	81.4	80.2	79.5	78.8	78.5	78.1	77.9	77.6	79.7	85.6	76.4
" 15,	76.4	77.2	76.8	76.8	77.1	76.8	78.0	78.9	79.7	82.0	82.0	83.3	83.7	82.0	82.8	82.2	81.4	80.6	80.3	80.3	80.6	80.4	79.9	79.7	80.0	84.3	76.3
" 16,	79.6	78.3	78.3	77.6	77.3	77.1	78.8	80.1	80.6	82.0	82.9	83.1	81.7	81.7	81.9	81.5	80.6	80.4	80.7	80.6	80.7	80.6	80.6	79.9	80.3	83.8	77.0
" 17,	80.2	80.1	80.5	80.1	79.5	77.4	77.6	75.8	78.8	80.4	82.2	82.0	82.0	81.7	81.4	82.0	81.6	80.3	79.7	79.6	79.7	79.6	79.8	80.1	80.1	83.4	75.5
" 18,	80.1	80.2	80.1	79.4	79.3	79.2	80.2	81.2	82.4	82.6	84.5	84.5	83.3	83.1	82.9	82.8	81.9	80.9	80.1	79.5	79.6	79.4	79.6	79.4	81.1	84.8	79.1
" 19,	79.1	78.9	78.4	79.5	79.1	79.8	80.0	81.0	82.9	83.6	84.6	84.6	84.0	83.9	83.9	83.0	82.7	81.5	81.2	81.3	81.9	81.0	80.7	80.2	81.5	85.6	77.9
" 20,	80.0	79.9	79.8	79.3	79.0	79.7	80.3	82.8	84.2	83.8	84.0	84.1	83.4	82.8	83.0	82.4	82.0	80.8	80.2	79.7	79.8	79.5	79.0	78.9	81.2	85.1	78.3
" 21,	78.9	78.5	79.3	79.2	79.1	79.3	80.4	81.3	81.9	83.9	83.0	83.0	82.9	82.8	83.0	82.1	81.0	79.9	79.7	79.6	78.4	77.9	77.7	77.6	80.4	84 3	76.7
" 22,	77.8	77.7	79.1	79.9	79.5	80.0	80.2	82.0	83.0	84.2	85.0	83.9	84.9	84.3	83.1	81.8	81.6	80.6	80.4	79.7	79.9	79.9	79.5	79.6	81.2	86.0	76.8
" 23,	78.6	78.7	79.2	79.3	79.6	79.2	79.8	81.8	82.9	85.0	84.4	84.9	85.1	84.6	82.9	82.8	82.2	81.2	80.7	80.3	80.6	79.8	79.5	79.5	81.4	86.1	78.3
" 24,	79.5	79.4	79.4	78.7	78.9	78.8	80.2	81.0	82.5	87.2	83.5	82.8	78.7	78.0	78.7	80.2	82.2	80.6	80.1	79.6	79.4	78.6	78.6	78.6	80.2	88.2	78.0
" 25,	78.6	78.4	78.0	77.8	77.8	77.6	79.6	80.9	84.2	85.6	85.3	85.7	86.0	87.0	84.0	80.7	77.6	79.4	79.6	79.6	79.6	79.7	79.4	78.6	80.9	87.7	77.3
" 26,	78.9	79.1	78.9	78.9	79.0	80.0	81.0	82.0	84.0	79.7	80.0	81.6	82.4	82.0	83.1	82.3	80.9	80.3	81.6	81.6	79.6	77.3	77.5	79.3	80.5	86.0	77.0
" 27,	80.2	80.3	80.3	80.2	80.8	80.5	81.2	81.6	83.9	82.8	84.0	84.7	82.1	79.7	81.1	82.0	81.6	80.9	81.0	81.4	81.0	80.9	80.6	80.6	81.4	84.7	78 9
" 28,	80.3	80.2	79.9	79.2	79.0	79.7	80.5	81.9	84.1	85.6	86.4	86.7	86.7	87.0	86.2	85.8	84.5	82.7	82.3	81.4	81.2	80.2	79.9	79.6	82.5	88.5	78.0
" 29,	79.3	79.0	79.3	79.4	79.7	79.7	81.0	82.3	84.0	86.0	87.1	87.9	87.9	88.5	86.5	85.8	82.0	80.0	79.8	80.1	80.7	80.7	80.6	79.2	82.4	88.8	78.9
" 30,	80.0	79.3	79.9	79.9	81.0	81.3	81.8	82.5	84.2	85.6	86.1	87.6	88.5	88.4	90.0	89.0	87.8	85.6	85.0	84.5	83.6	82.6	81.9	81.0	84.0	90.0	78.8
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,	79.0	78.7	78.6	78.5	78.5	78.5	79.4	80.7	82.1	83.1	83.7	84.1	84.0	83.7	83.4	82.9	82.0	80.9	80.5	80.3	80.1	79.6	79.5	79.3	80.9	86.0	77.2

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF SEPTEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
Sept. 1, ...	78.4	78.3	77.9	78.1	78.6	78.0	79.0	79.3	78.7	78.1	75.0	76.0	78.9	78.0	78.8	79.2	78.0	77.6	77.7	77.7	77.6	77.6	77.8	78.1	78.0	144.9
„ 2, ...	77.9	77.7	78.0	77.9	78.0	78.2	75.3	77.7	79.3	76.7	76.2	76.6	77.0	77.6	78.0	77.5	78.0	75.1	75.7	76.8	76.8	76.9	77.0	77.4	77.2	147.5
„ 3, ...	74.6	74.9	74.3	74.1	74.4	74.1	74.6	75.7	76.4	77.8	79.9	78.2	77.8	75.3	75.0	76.7	75.0	73.9	74.6	74.9	75.6	75.9	76.2	76.3	75.7	149.1
„ 4, ...	76.5	76.3	76.8	76.6	76.5	76.9	78.0	77.9	78.2	77.8	77.9	76.9	77.5	77.8	77.4	77.8	77.4	77.0	77.3	77.1	77.2	77.0	77.2	76.9	77.2	126.8
„ 5, ...	77.1	76.7	76.4	76.3	76.5	76.5	77.0	77.2	77.8	77.2	76.2	76.8	78.1	77.8	78.0	76.8	77.0	76.2	76.5	76.6	76.6	76.5	76.3	76.5	76.9	140.0
„ 6, ...	76.6	76.6	76.4	76.4	76.3	76.5	76.9	76.4	77.7	78.0	78.2	80.0	79.7	78.8	79.8	79.6	78.8	77.9	78.0	77.3	77.2	77.2	77.2	76.8	77.7	139.2
„ 7, ...	76.8	76.7	76.8	76.9	76.9	77.1	77.0	77.1	78.7	78.3	78.1	77.8	78.0	77.6	77.9	78.3	78.9	78.5	78.4	78.0	77.7	77.5	77.8	77.5	77.7	139.3
„ 8, ...	77.3	77.0	77.1	77.0	77.0	77.5	78.3	78.9	78.7	78.0	78 2	78.8	78.2	77.2	77.0	77.4	78.0	77.7	77.2	77.1	77.0	76.9	77.1	76.9	77.6	144.5
„ 9, ...	77.0	77.1	77.1	77.0	77.1	76.9	77.8	77.0	76.7	75.2	76.9	77.4	78.0	77.5	77.0	77.0	76.4	76.4	77.1	76.6	74.9	73.9	74.5	74.8	76.6	139.8
„ 10, ...	74.7	75.7	74.7	75.0	74.7	73.1	73.7	74.0	75.0	76.0	74.7	76.0	75.3	74.5	74.3	73.3	73.6	73.7	74.0	73.6	73.9	74.4	74.4	75.0	74.5	140.4
„ 11, ...	75.5	73.5	73.5	72.9	73.6	74.2	72.7	72.3	72.4	74.0	74.0	74.8	73.3	73.3	74.1	74.2	74.9	74.8	74.7	74.8	75.7	74.4	75.7	75.7	74.1	144.4
„ 12, ...	75.1	75.1	73.6	74.0	74.0	72.9	72.9	73.6	73.7	75.3	76.2	76.3	76.7	76.8	76.3	75.3	75.7	74.9	75.2	75.4	75.3	75.0	75.3	75.5	75.0	143.3
„ 13, ...	75.1	75.4	75.1	74.8	74.6	74.8	75.2	76.0	77.1	76.6	76.6	77.3	77.0	77.3	77.2	76.7	76.0	75.6	76.1	76.2	76.6	75.9	76.5	76.0	76.1	146.6
„ 14, ...	75.9	76.0	75.8	75.6	74.5	75.7	76.0	76.7	77.2	76.2	77.8	76.2	75.9	75.6	75.7	76.2	76.0	76.1	76.3	76.2	76.1	76.0	75.3	75.6	76.0	144.7
„ 15, ...	75.0	74.8	75.3	75.6	75.2	75.1	76.1	76.0	75.9	76.4	76.0	76.9	76.1	76.8	76.3	76.8	76.2	76.3	76.3	76.5	75.9	76.3	76.1	76.4	76.0	149.9
„ 16, ...	76.7	75.9	74.6	75.3	75.6	75.3	76.0	75.2	76.5	76.7	77.8	77.3	77.0	77.0	77.5	76.9	77.0	76.9	77.2	77.0	76.9	76.6	76.7	76.9	76.5	150.4
„ 17, ...	76.6	76.8	76.3	76.0	75.9	75.4	74.8	74.3	75.9	76.2	76.5	76.0	75.2	76.1	75.2	75.3	75.2	75.3	75.3	75.5	76.5	76.4	75.8	76.0	75.8	143.5
„ 18, ...	75.8	75.1	74.6	74.5	74.1	74.2	75.0	74.7	75.0	75.1	76.8	76.2	75.3	75.6	75.7	76.4	76.0	75.0	74.7	75.3	75.8	76.0	75.8	76.0	75.4	140.4
„ 19, ...	75.9	75.9	76.1	75.8	75.8	75.7	76.0	76.8	77.2	76.2	77.0	76.7	76.1	74.0	75.7	76.5	75.9	76.2	76.7	76.6	77.0	76.5	76.7	76.5	76.2	139.1
„ 20, ...	76.1	75.9	75.9	75.6	75.9	75.4	76.0	76.8	76.9	76.8	77.1	77.6	76.8	76.1	76.6	75.0	75.0	74.8	75.0	75.2	75.3	75.6	75.6	75.5	75.9	142.3
„ 21, ...	75.9	75.5	75.2	74.9	74.9	74.2	74.1	74.7	74.7	75.8	75.7	75.1	75.1	75.0	75.1	75.0	74.0	72.7	72.1	72.8	73.4	73.7	73.3	73.8	74.4	142.1
„ 22, ...	73.2	74.5	74.1	73.8	73.8	73.1	73.8	73.7	73.0	73.4	74.0	74.0	75.4	73.5	73.6	72.7	74.0	73.7	73.6	74.2	74.1	74.2	74.6	74.5	73.9	146.8
„ 23, ...	74.1	74.1	74.8	74.7	74.9	75.4	75.6	76.2	76.0	75.8	76.5	76.1	77.0	76.8	76.4	76.2	76.4	76.6	76.6	76.7	76.6	76.7	76.8	76.7	76.0	147.1
„ 24, ...	76.4	76.3	76.5	76 5	76.5	76.4	77.0	76.1	76.9	79.2	77.2	76.2	73.8	73.6	73.8	73.7	74.8	75.4	75.7	76.6	75.7	75.7	75.6	75.5	75.9	148.5
„ 25, ...	75.6	75.5	75.5	75.2	74.7	74.8	75.4	77.0	76.3	78.1	78.0	78.0	76.7	77.0	77.0	76.0	75.2	74.7	75.6	76.6	76.8	76.7	76.8	76.6	76.2	147.5
„ 26, ...	76.5	76.9	76.7	76.5	76.4	77.0	76.6	77.0	78.2	76.0	77.6	76.7	77.1	77.9	78.0	77.3	76.0	76.7	76.9	77.2	77.5	76.0	75.7	76.9	76.9	145.7
„ 27, ...	77.1	76.9	77.0	76 9	77.1	76.9	77.3	78.0	77.9	77.7	76.9	78.8	78.2	76.6	77.8	77.0	76.8	77.5	77.9	77.6	77.9	77.5	77.4	77.9	77.4	143.6
„ 28, ...	77.0	76.7	76.6	75.9	76.0	76.5	76.7	78.0	78.0	78.0	78.0	79.0	77.4	77.9	77.7	78.2	78.8	77.9	76.4	77.9	77.5	77.6	77.4	76.9	77.4	142.5
„ 29, ...	77.2	77.0	77.1	76.7	77.1	76.9	77.0	78.1	78.8	79.7	80.0	80.2	81.3	81.6	80.7	80.0	79.3	76.2	77.4	77.7	77.7	78.6	78.7	77.7	78.4	148.0
„ 30, ...	78.3	77.6	78.0	76.6	75.8	74.7	75.0	74.9	75.7	75.7	75.1	76.0	76.0	76.7	76.3	76.0	75.3	74.7	73.4	71.7	71.7	71.3	71.1	71.0	74.9	144.6
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means, ...	76.2	76.1	75.9	75.8	75.7	75.6	75.9	76.2	76.7	76.7	76.9	77.0	76.9	76.6	76.7	76.5	76.3	75.9	76.0	76.1	76.1	76.0	76.1	76.1	76.2	143.7

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF SEPTEMBER, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	88	0.867	Sept. 1,.....	81	0.900
2 „	89	.867	„ 2,.....	85	.890
3 „	88	.860	„ 3,.....	87	.849
4 „	88	.856	„ 4,.....	85	.890
5 „	88	.852	„ 5,.....	79	.859
6 „	87	.848	„ 6,.....	80	.887
7 „	85	.849	„ 7,.....	79	.884
8 „	80	.844	„ 8,.....	79	.882
9 „	77	.848	„ 9,.....	77	.845
10 „	73	.834	„ 10,.....	80	.794
11 „	72	.834	„ 11,.....	84	.797
Noon.	72	.833	„ 12,.....	86	.829
1 p.	72	.830	„ 13,.....	85	.855
2 „	72	.821	„ 14,.....	85	.850
3 „	73	.829	„ 15,.....	82	.845
4 „	73	.827	„ 16,.....	83	.863
5 „	76	.831	„ 17,.....	81	.835
6 „	78	.828	„ 18,.....	76	.804
7 „	80	.838	„ 19,.....	77	.834
8 „	81	.845	„ 20,.....	77	.824
9 „	82	.848	„ 21,.....	74	.772
10 „	85	.851	„ 22,.....	70	.741
11 „	85	.856	„ 23,.....	77	.826
Midt.	86	.859	„ 24,.....	81	.838
			„ 25,.....	79	.841
			„ 26,.....	85	.878
			„ 27,.....	83	.887
			„ 28,.....	79	.873
			„ 29,.....	83	.919
			„ 30,.....	64	.744
Means,.....	80	0.844	Means.	80	0.844

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
Sept. 1,.....	...	0.8	1.0	1.0	0.7	0.5	1.0	1.0	1.0	1.0	1.0	0.7	...	9.7
„ 2,.....	...	0.5	0.3	...	0.4	0.1	0.2	0.7	0.6	0.3	0.1	0.4	...	3.6
„ 3,.....	...	...	...	0.4	0.8	0.9	0.8	0.2	...	...	...	...	...	3.1
„ 4,.....	...	0.8	0.8	0.1	...	...	...	...	...	...	...	...	...	1.7
„ 5,.....	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.1	10.8
„ 6,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	10.7
„ 7,.....	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	11.3
„ 8,.....	...	0.8	1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	10.7
„ 9,.....	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	0.3	...	10.0
„ 10,.....	...	...	0.1	0.1	0.1	0.2	0.6	0.1	0.2	0.1	...	...	...	1.5
„ 11,.....	...	...	...	...	0.4	0.1	0.2	0.9	0.8	1.0	0.5	...	...	3.9
„ 12,.....	...	...	...	...	0.9	1.0	1.0	0.9	1.0	0.6	1.0	0.8	...	7.2
„ 13,.....	...	0.1	0.7	1.0	1.0	1.0	1.0	0.7	0.8	1.0	0.3	0.2	...	7.8
„ 14,.....	...	0.1	0.5	0.4	1.0	1.0	0.9	...	...	...	0.1	0.7	...	4.7
„ 15,.....	...	0.4	0.7	1.0	1.0	0.9	1.0	0.9	0.8	1.0	1.0	0.2	...	8.9
„ 16,.....	...	0.3	0.9	0.5	0.8	0.9	1.0	0.9	0.3	0.2	...	...	...	5.8
„ 17,.....	...	...	...	...	...	0.8	0.8	0.4	...	0.5	1.0	0.7	...	4.2
„ 18,.....	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	10.8
„ 19,.....	...	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	9.5
„ 20,.....	...	0.6	0.9	0.9	1.0	0.6	1.0	1.0	1.0	1.0	1.0	0.8	...	9.8
„ 21,.....	...	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	10.6
„ 22,.....	...	0.7	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.3	...	...	8.9
„ 23,.....	...	...	0.3	1.0	0.8	0.8	0.9	0.8	0.4	...	...	...	...	5.0
„ 24,.....	...	0.1	0.5	0.2	0.9	0.5	0.2	...	...	...	0.1	0.2	...	2.7
„ 25,.....	...	...	...	0.6	1.0	1.0	1.0	0.7	0.8	0.3	...	0.1	...	5.5
„ 26,.....	...	0.1	0.6	1.0	0.3	0.2	0.7	0.5	...	0.2	0.2	...	...	3.8
„ 27,.....	...	...	0.6	1.0	0.6	1.0	1.0	0.6	0.6	0.1	0.9	0.2	...	6.6
„ 28,.....	...	0.8	1.0	1.0	1.0	1.0	0.9	0.9	1.0	0.9	1.0	1.0	0.1	10.6
„ 29,.....	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	...	...	8.4
„ 30,.....	...	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.0
Sums,.....	0.1	12.9	19.4	20.9	23.7	23.5	25.1	22.2	20.3	18.4	17.5	14.0	0.8	218.8

TABLE VI.

RAINFALL FOR THE MONTH OF SEPTEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
Sept. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,	...	...	...	...	...	...	0.055	...	0.545	0.390	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.990	1
„ 3,	0.465	0.115	0.030	...	...	...	...	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	0.615	3
„ 4,	...	...	...	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	..	...	...	0.005	...
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,	0.210	0.260	0.090	0.050	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.610	5
„ 12,	0.405	...	0.305	0.045	...	0.015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.770	3
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.115	...	...	...	...	...	...	...	...	0.115	...
„ 14,	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.115	0.115	1
„ 15,	...	...	...	...	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...
„ 16,	...	0.150	0.010	...	0.220	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.380	1
„ 17,	...	...	...	...	...	0.035	...	0.075	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.115	2
„ 18,	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.050	...	...	...	...	...	...	...	0.060	1
„ 26,	...	...	...	...	...	...	...	...	...	0.050	0.155	...	...	...	...	...	...	...	...	0.025	0.060	0.360	0.010	...	0.660	3
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	0.280	0.130	0.270	...	...	...	...	...	...	...	...	...	0.680	2
„ 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.120	...	...	...	...	0.050	0.005	...	0.175	1
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
Sums,	1.080	0.525	0.435	0.095	0.220	0.050	0.060	0.075	0.550	0.445	0.155	...	0.280	0.135	0.270	0.125	0.170	...	...	0.025	0.060	0.410	0.015	0.115	5.295	23

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF SEPTEMBER, 1898.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Sept. 1	25	4	25	5	25	2	...	1	19	2	19	2	20	2	28	5	26	7	16	12	27	12	26	5	19	10	19	13	20	16	21	12	18	6	19	10	19	6	21	8	21	5	...	0	...	1	21	2	148	6.2	21
" 2	5	2	...	1	...	0	...	1	...	1	...	1	24	7	...	1	29	10	24	11	26	6	27	7	29	8	26	8	21	7	17	6	16	7	16	4	16	5	16	2	16	2	...	1	16	3	24	3	104	4.3	23
" 3	22	16	26	2	14	3	14	2	5	5	10	2	...	1	5	3	31	5	26	5	23	10	19	9	18	8	19	9	20	7	22	9	22	6	22	6	22	2	...	1	22	3	27	5	26	2	...	1	122	5.1	22
" 4	...	0	...	1	...	1	...	1	19	2	...	1	19	2	...	1	28	4	22	7	19	13	22	9	22	6	23	7	16	10	19	12	18	10	19	10	19	7	19	9	18	8	19	9	20	7	20	3	140	5.8	20
" 5	20	4	20	5	20	3	24	5	24	4	26	4	26	3	25	3	25	9	24	8	21	10	20	10	22	10	21	11	20	11	18	9	18	8	18	7	18	7	18	2	...	1	...	1	...	1	19	4	140	5.8	21
" 6	21	6	20	7	22	4	22	2	22	2	22	4	24	5	25	7	26	7	24	6	23	7	21	9	22	9	21	10	21	12	19	16	19	13	19	12	19	9	18	2	18	2	15	2	15	2	15	3	158	6.6	21
" 7	...	1	15	2	22	6	20	6	24	5	25	2	24	5	24	5	24	7	24	8	21	9	23	9	22	8	21	9	21	8	20	8	17	7	17	5	15	6	...	1	...	1	...	1	...	1	...	1	121	5.0	21
" 8	...	0	...	0	8	2	...	0	...	0	...	0	...	1	8	3	27	6	24	7	25	9	24	10	23	9	23	10	22	10	23	6	22	7	20	5	18	5	16	3	...	0	...	1	...	0	...	1	95	4.0	23
" 9	...	1	...	0	...	0	...	0	...	1	...	0	..	1	25	2	27	4	24	6	24	10	24	9	23	10	16	10	17	11	18	8	22	7	...	1	...	1	22	7	8	11	2	4	8	6	5	4	114	4.7	21
" 10	7	3	7	10	8	10	7	10	9	14	15	11	19	5	27	3	...	1	7	7	8	12	8	11	8	13	15	9	16	7	16	3	21	10	27	9	29	9	...	1	...	1	4	4	8	6	7	6	175	7.3	9
" 11	28	6	26	7	29	8	29	4	...	1	15	3	6	16	7	13	9	11	10	10	7	17	7	21	7	19	8	13	11	9	10	16	9	14	7	14	5	9	5	9	7	12	5	13	7	14	6	15	274	11.4	7
" 12	3	15	5	12	8	17	9	9	7	11	3	2	11	9	8	13	6	15	8	15	7	15	10	19	9	14	9	17	8	15	8	13	9	11	9	8	9	9	8	9	8	10	6	10	6	4	8	6	278	11.6	8
" 13	8	5	...	0	...	0	9	3	9	2	8	5	8	3	8	3	8	4	8	3	23	6	24	6	2	6	8	7	9	10	3	10	7	9	7	5	7	4	...	1	7	3	7	4	...	0	7	2	101	4.2	7
" 14	7	4	7	4	7	3	...	0	...	1	...	1	...	1	7	3	7	4	4	9	8	9	9	16	9	14	27	6	27	3	26	2	7	8	7	7	9	2	...	1	9	4	...	1	...	1	9	4	108	4.5	7
" 15	32	3	...	1	...	0	...	0	...	1	...	0	...	1	6	9	7	12	8	14	10	11	11	13	10	17	10	19	10	17	10	18	9	13	10	11	11	10	9	10	12	10	11	9	10	9	9	10	218	9.1	10
" 16	9	9	10	6	4	11	9	8	7	11	10	7	5	12	6	15	6	15	7	20	7	22	8	22	7	20	8	20	8	19	8	21	8	18	8	13	7	14	8	16	7	15	8	15	8	15	9	15	359	15.0	8
" 17	8	17	8	18	7	17	5	12	4	13	6	12	8	11	9	14	5	11	6	15	7	26	8	23	7	23	9	21	8	23	9	20	9	17	10	14	8	10	10	9	9	11	9	10	8	12	9	16	375	15.6	8
" 18	8	18	8	14	7	15	8	16	8	16	7	10	5	10	7	16	7	16	8	16	8	18	10	19	10	20	9	23	9	16	9	15	10	12	10	9	9	5	9	3	8	7	8	7	6	6	6	5	312	13.0	8
" 19	6	3	6	6	6	3	6	7	6	9	6	9	7	11	6	10	7	12	7	13	9	10	9	12	9	15	10	17	10	15	9	16	9	15	9	14	8	12	10	8	9	8	10	7	10	7	7	4	243	10.1	8
" 20	5	7	8	6	5	7	6	9	7	9	7	7	7	5	6	11	8	13	9	15	9	16	9	19	9	20	9	20	9	16	10	17	10	18	11	11	10	7	11	5	12	5	9	4	11	4	9	7	258	10.8	9
" 21	8	5	8	3	8	8	6	9	6	8	6	11	6	13	7	14	7	14	7	14	8	17	9	18	9	17	9	16	10	15	9	16	9	13	7	9	8	10	8	8	9	4	10	5	10	2	...	1	250	10.4	8
" 22	10	2	10	2	12	11	12	7	12	6	12	6	12	5	9	14	9	13	9	11	10	11	9	11	9	12	8	14	8	14	10	14	11	13	11	5	11	2	11	3	11	3	...	0	11	2	11	2	183	7.6	10
" 23	11	3	...	1	11	2	11	2	11	4	11	2	...	1	11	2	6	8	8	8	10	10	10	11	9	12	9	10	15	8	15	9	15	5	15	2	...	1	15	2	15	3	15	2	15	3	15	2	113	4.7	11
" 24	...	0	15	2	15	2	...	1	15	2	15	1	15	2	...	1	24	2	17	3	15	10	4	10	29	7	20	3	22	4	...	1	...	1	22	2	22	2	...	1	...	1	22	2	22	2	22	2	64	2.7	19
" 25	22	2	...	0	...	0	...	1	22	2	...	1	...	1	22	3	10	6	10	7	10	9	9	12	9	12	17	5	1	10	4	8	4	8	4	3	...	1	4	2	9	4	9	2	9	3	...	1	103	4.3	8
" 26	9	2	9	2	...	1	...	1	...	1	...	1	9	3	9	4	9	7	6	15	6	6	7	16	8	13	7	10	8	11	8	10	13	7	12	4	11	10	12	8	7	5	14	11	14	5	14	5	158	6.6	9
" 27	10	10	10	9	10	9	8	11	10	9	6	7	10	8	9	13	8	18	9	18	9	19	8	19	7	17	11	15	9	11	11	13	9	12	8	13	8	10	10	9	10	8	10	5	9	6	8	8	277	11.5	9
" 28	9	7	10	3	...	0	...	1	...	1	...	1	...	1	9	2	8	2	8	2	14	3	24	7	22	5	23	6	24	3	26	5	27	4	23	5	23	5	..	1	...	0	17	2	18	3	18	2	71	3.0	21
" 29	...	0	18	2	18	5	23	3	23	4	23	6	26	8	24	10	24	11	26	12	23	9	24	10	24	11	24	11	25	10	25	8	5	10	20	3	20	3	19	5	11	3	11	3	28	4	28	3	154	6.4	24
" 30	28	2	28	4	28	4	28	9	29	7	31	8	29	7	24	8	31	10	29	12	29	18	29	17	31	21	29	22	31	17	31	14	29	12	31	7	29	15	30	14	29	15	29	20	29	20	29	11	294	12.3	29
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	157	...	135	...	154	...	141	...	154	...	127	...	160	...	211	...	264	...	309	...	360	...	389	...	386	...	371	...	345	...	335	...	301	...	228	...	198	...	160	...	165	...	160	...	151	...	149	5510	229.6	...
Means,	...	5.2	...	4.5	...	5.1	...	4.7	...	5.1	...	4.2	...	5.3	...	7.0	...	8.8	...	10.3	...	12.0	...	13.0	...	12.9	...	12.4	...	11.5	...	11.2	...	10.0	...	7.6	...	6.6	...	5.3	...	5.5	...	5.3	...	5.0	...	5.0	183.7	7.7	...

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
Sept. 1, ...	3	c-cum.	...	2	c-cum.	...	1	c-cum. / cum.	...	8	c-cum. / cum-str.	W
„ 2, ...	7	c-cum. / cum.	WSW	8	cum.	WSW	7	cum.	WSW	9	sm-cum. / cum-str.	WSW
„ 3, ...	10	nim.	...	10	nim.	...	10	str.	...	5	sm-cum. / cum.	WSW
„ 4, ...	9	cum.	SW	9	cum.	SW	9	c-cum. / sm-cum. / cum.	SW	9	sm-cum. / cum.	SW
„ 5, ...	9	cum.	SW	6	cum.	SW	8	c-cum. / cum.	SW	3	c-cum. / cum.	SW
„ 6, ...	3	cum.	SW	1	cum.	SW	8	c-cum. / cum.	E / SW	2	c-cum. / cum.	W
„ 7, ...	2	cum.	...	6	c-cum. / cum.	ESE / SW	2	c-cum. / cum.	...	1	c-cum. / cum.	W
„ 8, ...	3	c-cum.	...	9	cum.	...	2	c-cum. / cum.	SW	3	c-cum. / cum.	S
„ 9, ...	5	c-cum. / sm-cum.	E	4	sm-cum.	SSE	6	c-cum. / cum.	SW	4	c-cum. / cum.	SSE
„ 10, ...	9	cum.	E	10	cum.	SSE	10	sm-cum. / cum.	S	9	sm-cum. / cum.	...
„ 11, ...	10	nim.	...	10	nim.	...	10	sm-cum. / cum.	SSE	9	sm-cum. / cum.	SSW / ESE
„ 12, ...	10	nim.	...	10	nim.	...	10	cum-nim.	E	8	c-cum. / cum.	WSW / E
„ 13, ...	8	cum.	...	2	cum.	...	6	c-cum. / cum.	SW / WSW	7	sm-cum. / cum.	NNW / WSW
„ 14, ...	9	cum.	NE	3	cum.	NE	8	sm-cum. / cum.	...	8	c-str. / sm-cum. / cum.	.. / N / ..
„ 15, ...	5	cum.	NNW	2	cum.	...	5	c-cum. / cum.	...	7	c-cum. / cum.	ESE
„ 16, ...	7	cum.	E	9	cum-nim.	E	8	cum.	E	9	sm-cum. / cum.	E
„ 17, ...	5	cum.	E	7	cum.	E	7	sm-cum. / cum.	E	9	c-str. / sm-cum. / cum.	E
„ 18, ...	3	cum.	E	5	cum.	E	3	cum.	ENE	1	cum.	E
„ 19, ...	1	cum.	E	0	...	...	8	cum. / R-cum.	E	2	cum.	E
„ 20, ...	1	cum.	ENE	3	c-cum.	NE	5	c-str. / cum.	NE / E	7	c-str. / c-cum. / cum.	.. / ENE / ENE
„ 21, ...	2	cum.	E	0	...	...	4	cum.	E	4	cum.	E
„ 22, ...	0	...	...	1	cum.	NE	2	c-cum. / cum.	E	4	sm-cum.	W
„ 23, ...	10	str-cum.	...	10	str-cum.	...	9	sm-cum. / cum.	W / ..	9	sm-cum. / cum.	WNW / S
„ 24, ...	10	nim.	...	9	cum.	SSE	9	c-cum. / cum.	S	8	sm-cum. / cum.	W / ESE
„ 25, ...	9	sm-cum.	W	5	sm-cum.	W	8	sm-cum. / cum.	W / ..	7	sm-cum. / cum.	W / E
„ 26, ...	9	sm-cum. / cum.	...	8	cum.	SE	4	sm-cum. / cum.	...	8	c-cum. / nim.	SSE
„ 27, ...	8	cum.	ESE	0	...	...	8	cum.	ESE	5	c-cum. / cum.	SE
„ 28, ...	4	cum.	E	0	...	...	1	cum.	...	3	cum.	...
„ 29, ...	5	c-cum.	NNW	0	...	...	0	...	...	7	c-cum. / cum.	NW
„ 30, ...	6	cum.	N	8	cum.	N	4	c-cum. / cum.	N	3	c-cum / cum.	N
.....	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	6.1	...	...	5.2	...	...	6.1	...	...	5.9	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
Sept. 1,...	7	c-cum. / cum.	SSW	6	c-cum. / cum.	SW	9	sm-cum. / cum.	SW	9	sm-cum. / cum.	N / WSW	5.6
„ 2,...	7	c-cum. / cum.	WSW	9	c-cum. / cum.	SW	8	c-cum. / cum.	NE / SW	1	c-cum.	...	7.0
„ 3,...	9	c-cum. / cum.	SW	10	c-cum. / cum.	SW	10	cum.	...	9	sm-cum. / cum.	SW	9.1
„ 4,...	9	c-cum. / cum.	ENE / SW	10	c-cum. / cum.	SW	8	c-cum. / cum.	...	7	c-str. / cum.	...	8.7
„ 5,...	2	c-cum. / cum.	NE / ..	2	c-cum. / cum.	SW	1	c-str. / cum.	...	2	cum.	SW	4.1
„ 6,...	2	c-cum. / cum.	...	7	c-cum. / cum.	SW	6	c-cum. / cum.	...	3	c-cum. / cum.	...	4.0
„ 7,...	1	c-cum. / cum.	W	1	c-cum. / cum.	...	7	c-str. / cum.	...	3	c-cum. / cum.	W	2.9
„ 8,...	2	c-cum. / cum.	S	1	c-cum. / cum.	...	1	c-cum. / cum.	...	0	...	...	2.6
„ 9,...	3	c-cum. / cum.	SSE	4	c-cum. / cum.	N / ..	9	str-cum.	...	9	str-cum.	...	5.5
„ 10,...	10	sm-cum. / cum.	E	10	sm-cum. / cum.	...	9	cum-nim.	...	7	str-cum.	...	9.3
„ 11,...	7	sm-cum. / cum.	SSW / ..	7	c-cum. / sm-cum.	SW / SSW	5	cum.	...	5	cum.	...	7.9
„ 12,...	7	c-str. / cum.	WSW / E	6	c-cum. / cum.	...	2	c-cum. / cum.	...	1	cum.	...	6.8
„ 13,...	7	sm-cum. / cum.	W	9	cum. / nim.	WSW / ENE	7	c-str. / cum.	...	7	c-str. / cum.	...	6.6
„ 14,...	7	c-cum. / sm-cum. / cum.	...	9	c-str. / sm-cum. / cum.	E	4	sm-cum.	...	5	c-cum.	...	6.6
„ 15,...	9	c-cum. / cum.	E	7	c-cum. / cum.	W / ESE	7	cum.	...	8	cum.	...	6.2
„ 16,...	10	c-str. / cum.	E	10	c-cum. / cum.	ESE	4	nim.	E	2	cum.	...	7.4
„ 17,...	6	c-str. / cum.	E	3	c-str. / cum.	W / E	1	cum.	...	1	cum.	...	4.9
„ 18,...	2	cum.	NE	0	...	...	0	...	...	0	...	...	1.7
„ 19,...	1	cum.	E	1	c-cum.	...	9	c-cum. / cum.	E	9	cum.	...	3.9
„ 20,...	5	c-cum. / cum.	E	4	c-cum. / cum.	NE / ENE	7	c-str.	NE	0	...	...	4.0
„ 21,...	1	cum.	E	1	c-cum. / cum.	...	4	c-cum.	...	0	...	...	2.0
„ 22,...	7	c-cum. / sm-cum.	W	9	sm-cum.	W	9	sm-cum.	W	10	sm-cum. / cum.	...	5.2
„ 23,...	8	c-cum. / sm-cum. / cum.	.. / W / SSE	9	sm-cum. / cum.	W / SSE	9	sm-cum. / cum.	...	10	sm-cum.	...	9.3
„ 24,...	9	cum-nim.	E	9	sm-cum. / str-cum.	WSW / ..	9	sm-cum.	...	7	sm-cum.	...	8.7
„ 25,...	5	cum.	E	9	c-cum. / nim.	...	10	str-cum.	...	10	c-str. / cum.	...	7.9
„ 26,...	8	cum.	SSE	9	c-str. / cum.	SSE	10	c-str. / nim.	SE	10	nim.	...	8.3
„ 27,...	8	c-cum. / nim.	ESE	9	c-cum. / cum.	ESE	2	cum.	ESE	6	cum.	ESE	5.8
„ 28,...	7	cum.	...	3	c-cum. / cum.	...	0	...	...	0	...	...	2.2
„ 29,...	3	c-str. / cum.	N	9	c-cum. / cum-str.	...	4	sm-cum. / cum.	...	9	sm-cum. / cum.	N	4.6
„ 30,...	1	c-cum. / cum.	N	2	c-cum. / cum.	N	3	c-str.	...	7	c-cum.	...	4.3
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	5.7	...	...	6.2	...	...	5.8	...	...	5.2	...	...	5.8

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF SEPTEMBER, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	0.9	3.4	0.8	1.1	+ 0.1	+ 2.3	E 4° N
2 „	0.7	3.1	0.7	0.9	0.0	2.2	E 1° S
3 „	1.0	3.6	0.9	0.8	0.1	2.8	E 1° N
4 „	0.9	3.2	0.6	0.7	0.3	2.5	E 6° N
5 „	1.0	3.5	0.7	0.8	0.3	2.7	E 6° N
6 „	1.0	2.5	1.0	0.6	0.0	1.9	E 1° N
7 „	1.2	3.2	0.7	1.2	0.5	2.0	E 14° N
8 „	1.2	5.2	0.4	1.5	0.8	3.7	E 12° N
9 „	2.4	5.9	0.3	2.0	2.1	3.9	E 29° N
10 „	1.5	6.8	1.1	2.5	+ 0.4	4.3	E 5° N
11 „	1.4	7.6	2.2	3.3	− 0.8	4.3	E 10° S
Noon.	1.1	8.8	2.2	3.3	1.1	5.5	E 11° S
1 p.	1.8	8.6	2.3	2.9	0.5	5.7	E 5° S
2 „	0.9	7.3	3.6	3.2	2.7	4.1	E 34° S
3 „	1.0	6.3	3.8	2.7	2.8	3.6	E 37° S
4 „	1.1	6.6	3.9	2.4	2.8	4.2	E 34° S
5 „	0.9	6.3	3.7	1.8	2.8	4.5	E 31° S
6 „	0.7	4.4	2.7	1.7	2.0	2.7	E 37° S
7 „	0.9	3.6	2.1	1.4	1.2	2.2	E 28° S
8 „	0.6	3.0	1.7	0.9	1.1	2.1	E 28° S
9 „	0.6	3.9	1.4	0.6	0.8	3.3	E 14° S
10 „	1.3	3.2	1.4	0.7	0.1	2.5	E 2° S
11 „	0.9	3.2	1.1	0.8	0.2	2.4	E 5° S
Midt.	0.8	3.5	1.0	0.7	− 0.2	+ 2.8	E 5° S
Means,.....	1.1	4.9	1.7	1.6	− 0.60	+ 3.26	E 10° S

PHENOMENA :—

Solar halo :—on the 4th, 12th, 14th, 16th and 17th.

Lunar halo :—on the 4th, 5th and 25th.

Lunar corona :—on the 4th, 7th, 20th, 25th and 26th.

Fog :—on the 1st, 13th, 14th and 25th.

Slight fog :—on the 5th, 6th, 7th, 8th, 23rd and 24th.

Haze :—on the 4th, 9th, 15th, 24th, 28th and 29th.

Unusual Visibility :—on the 9th and 11th.

Dew :—on the 3rd, 4th, 7th, 8th, 9th, 13th, 14th, 15th, 20th, 22nd, 25th, 28th and 29th.

Rainbow :—on the 2nd, 13th, 14th, 15th and 25th.

Lightning without thunder :—on the 7th, 8th, 11th, 12th, 15th, 16th, 20th, 21st and 25th.

Thunder without lightning :—on the 1st, 10th, 11th, 12th and 25th.

Thunder and lightning :—on the 26th.

Thunderstorms:—on the 2nd, 8.30 a.—10.30 a., in NE. distant; on the 2nd, 5.45 p.—6.20 p., in NNE, nearest at 5.52 p., (10°); on the 3rd, 1.30 p.—2.30 p., in N, nearest at 2.3 p., (16°); on the 4th, 11.30 a.—1.30 p., N-SE, distant; on the 9th, 7.20 p.—9.45 p., in NNE, distant; on the 13th, 3.45 p.—4.15 p., in NNE, nearest at 3.45 p., (10°); on the 14th, 11.55 a,—2 p, NE-SW, distant; on the 17th, 7 a.—7.30 a., in E, distant; on the 24th, 11.15 a.—1 p., in N, distant; on the 29th, 3.15 p.—6 p., NE-SW nearest at 5.20 p. (9°).

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF OCTOBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Oct. 1,...	29.508	29.506	29.481	29.479	29.484	29.491	29.507	29.529	29.538	29.539	29.524	29.518	29.489	29.480	29.493	29.519	29.543	29.556	29.564	29.605	29.627	29.638	29.647	29.652	29.538
" 2,...	.654	.658	.664	.663	.681	.707	.729	.752	.761	.764	.764	.742	.729	.711	.713	.718	.728	.734	.745	.757	.772	.766	.765	.765	.727
" 3,...	.745	.734	.737	.729	.731	.743	.765	.796	.806	.817	.799	.781	.765	.734	.721	.717	.725	.731	.752	.765	.795	.810	.803	.802	.763
" 4,...	.792	.781	.764	.753	.761	.765	.783	.781	.801	.818	.811	.798	.774	.751	.739	.735	.733	.755	.777	.802	.817	.819	.812	.806	.780
" 5,...	.796	.784	.783	.786	.798	.819	.843	.849	.869	.879	.866	.860	.840	.833	.819	.818	.820	.823	.831	.842	.863	.869	.872	.866	.834
" 6,...	.847	.839	.840	.845	.869	.885	.899	.900	.901	.921	.917	.915	.894	.868	.863	.865	.879	.895	.917	.927	.925	.917	.911	.899	.889
" 7,...	.895	.893	.882	.881	.883	.899	.916	.930	.928	.927	.909	.881	.855	.831	.826	.830	.831	.840	.857	.867	.880	.881	.877	.868	.878
" 8,...	.858	.849	.843	.849	.860	.877	.888	.888	.894	.901	.883	.860	.840	.817	.815	.807	.811	.817	.832	.851	.860	.867	.859	.855	.853
" 9,...	.839	.827	.812	.806	.815	.832	.855	.866	.879	.878	.868	.841	.816	.794	.788	.796	.815	.822	.845	.864	.876	.875	.871	.860	.839
" 10,...	.852	.840	.829	.821	.832	.845	.859	.895	.916	.920	.903	.881	.864	.842	.837	.850	.866	.882	.887	.911	.916	.920	.916	.908	.875
" 11,...	.899	.882	.871	.869	.879	.901	.924	.941	.949	.954	.949	.923	.900	.880	.859	.859	.866	.873	.885	.900	.919	.913	.908	.897	.900
" 12,...	.878	.867	.857	.860	.871	.887	.899	.912	.921	.918	.903	.879	.854	.827	.808	.805	.821	.825	.843	.861	.875	.867	.865	.867	.865
" 13,...	.852	.839	.829	.831	.840	.865	.890	.899	.911	.908	.901	†.865	†.833	†.810	†.794	†.799	†.792	†.810	†.833	†.875	†.889	†.884	†.871	.858	.853
" 14,...	.841	.813	.810	.815	.821	.827	.848	.861	.868	.867	.847	.815	.780	.756	.738	.740	.759	.761	.777	.795	.814	.811	.803	.789	.807
" 15,...	.771	.757	.752	.734	.749	.759	.771	.786	.799	.796	.766	.737	.706	.678	.671	.672	.677	.684	.694	.710	.718	.727	.714	.703	.730
" 16,...	.686	.674	.669	.664	.667	.678	.693	.701	.707	.702	.684	.657	.630	.616	.618	.621	.632	.654	.662	.661	.679	.676	.664	.659	.665
" 17,...	.644	.632	.619	.621	.627	.633	.651	.665	.660	.666	.660	.643	.615	.601	.599	.607	.614	.614	.626	.650	.647	.657	.666	.652	.636
" 18,...	.647	.651	.650	.641	.658	.674	.685	.697	.713	.708	.702	.690	.661	.655	.638	.646	.658	.670	.678	.704	.723	.721	.720	.712	.679.
" 19,...	.697	.696	.689	.689	.693	.719	.729	.736	.743	.748	.737	.711	.681	.659	.646	.651	.661	.672	.689	.702	.707	.711	.711	.709	.699
" 20,...	.707	.701	.697	.698	.708	.719	.741	.760	.767	.763	.751	.733	.705	.692	.683	.685	.693	.710	.732	.754	.768	.773	.773	.769	.728
" 21,...	.759	.754	.750	.755	.763	.788	.814	.838	.859	.856	.844	.825	.803	.778	.774	.779	.785	.799	.831	.852	.858	.873	.873	.868	.812
" 22,...	.858	.857	.859	.857	.867	.891	.912	.927	.944	.942	.930	.905	.873	.856	.850	.853	.854	.865	.880	.903	.917	.923	.915	.902	.889
" 23,...	.890	.878	.872	.871	.878	.897	.917	.939	.949	.947	.931	.905	.875	.850	.838	.839	.848	.856	.870	.888	.887	.890	.880	.869	.886
" 24,...	.847	.833	.825	.827	.838	.847	.853	.866	.878	.876	.859	.824	.792	.765	.744	.745	.746	.757	.773	.783	.793	.798	.794	.779	.810
" 25,...	.774	.767	.764	.766	.777	.795	.803	.819	.825	.808	.783	.749	.719	.686	.668	.664	.683	.700	.727	.763	.779	.772	.775	.770	.756
" 26,...	.763	.763	.756	.756	.764	.771	.784	.797	.803	.802	.790	.768	.739	.722	.720	.715	.725	.736	.771	.803	.817	.818	.816	.804	.771
" 27,...	.801	.797	.794	.791	.791	.805	.827	.843	.854	.854	.842	.807	.772	.751	.732	.734	.752	.762	.779	.795	.813	.820	.824	.820	.798
" 28,...	.810	.807	.801	.807	.807	.821	.832	.844	.864	.864	.851	.831	.802	.792	.792	.796	.811	.823	.847	.867	.878	.881	.882	.868	.832
" 29,...	.854	.855	.852	.852	.858	.878	.897	.912	.929	.926	.904	.880	.848	.829	.818	.815	.822	.837	.861	.875	.882	.892	.898	.897	.870
" 30,...	.879	.880	.869	.865	.861	.873	.877	.905	.921	.929	.910	.879	.849	.827	.820	.825	.840	.856	.875	.892	.893	.901	.896	.893	.876
" 31,...	.877	.877	.868	.865	.863	.886	.906	.908	.923	.921	.901	.881	.856	.841	.832	.843	.866	.875	.895	.913	.923	.920	.913	.911	.886
Means,.....	29.791	29.784	29.777	29.776	29.784	29.799	29.816	29.830	29.841	29.843	29.829	29.806	29.779	29.759	29.750	29.753	29.763	29.774	29.791	29.811	29.823	29.825	29.822	29.815	29.798

† Approximate Reading.

TABLE II.

TEMPERATURE FOR THE MONTH OF OCTOBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Oct. 1,	80.3	79.4	78.8	78.4	77.8	77.2	78.0	77.8	78.4	79.6	80.1	81.2	85.6	84.0	80.4	79.6	74.4	74.2	74.6	74.5	71.6	72.1	71.7	71.3	77.5	85.6	70.8
„ 2,	70.4	70.1	69.2	69.0	68.6	68.4	68.5	68.8	69.9	71.8	71.8	73.5	75.0	74.3	73.7	73.2	71.8	70.0	70.9	71.0	71.4	71.1	71.2	68.6	70 9	76.2	67.9
„ 3,	69.3	70.2	70.6	69.5	70.2	70.5	70.7	71.0	70.8	71.9	71.5	72.5	72.4	73.9	73.9	75.9	76.9	76.7	77.9	78.8	77.6	75.8	77.0	74.7	73.3	79.3	68.6
„ 4,	73.5	74.1	75.4	76.1	75.9	75.8	76.0	76.8	77.7	78.8	80.8	81.0	82.2	81.7	82.1	82.2	80.0	78.9	77.9	73.9	73.5	72.2	73.2	73.3	77.2	83.1	71.3
„ 5,	73.1	72.8	72.7	72.2	72.4	71.2	70.6	71.6	71.8	71.6	72.0	73.0	74.0	75.4	74.9	74.3	73.0	72.4	71.6	71.2	71.0	70.6	70.6	70.5	72.3	75.9	70.1
„ 6,	70.0	69.3	69.3	69.6	69.8	69.5	69.0	70.2	73.0	74.8	74.7	74.5	75.3	75.3	75.0	74.4	73.8	71.9	71.6	72.3	73.3	74.0	73.4	73.0	72.4	76.3	68.9
„ 7,	72.6	71.9	71.1	70.9	70.5	70.1	70.3	70.8	73.6	73.4	75.6	77.8	77.7	79.0	79.8	77.6	78.0	74.6	75.7	75.6	74.8	73.7	73.6	73.1	74.2	80 4	69.1
„ 8,	72.5	72.4	71.9	70.8	70.7	70.8	71.0	71.6	76.1	76.0	77.1	78.0	77.7	76.7	76.6	76.6	75.6	75.6	75.4	74.9	74.6	73.8	72.7	71.9	74.2	79.7	70.0
„ 9,	70.7	70.9	71.2	71.1	70.7	66.2	66.6	67.6	68.6	70.8	71.8	72.9	72.4	71.0	69.3	68.3	67.8	67.7	67.3	67.4	67.2	67.8	67.4	68.6	69.2	73.1	65.7
„ 10,	68.6	69.1	68.9	68.8	69.2	69.5	69.6	69.7	69.0	67.7	69.0	68.1	68.6	69.1	69.1	69.3	68.6	68.4	69.3	69.5	68.9	68.8	68.8	68.9	68.9	69.8	66.7
„ 11,	69.9	69.1	68.6	68.4	69.3	69.3	68.6	69.5	69.6	67.7	68.0	67.4	68.0	68.3	68.3	68.7	69.4	69.8	70.6	70.7	71.3	71.0	71.6	71.2	69.3	71.6	66.8
„ 12,	71.5	71.2	72.5	70.8	70.7	70.2	71.7	74.0	75.7	77.7	78.0	78.2	78.7	77.6	77.2	76.3	76.2	74.4	73.6	73.5	73.0	72.7	72.8	72.5	74.2	79.6	70.1
„ 13,	71.5	71.2	70.3	70.0	69.7	69.6	72.2	76.0	76.7	77.7	78.2	80.0	81.8	80.8	80.0	79.5	78.0	75.6	75.6	74.8	74.6	74.6	73.6	73.3	75.2	82.1	69.6
„ 14,	72.8	71.5	72.6	72.7	72.7	72.7	74.1	76.0	76.9	79.3	79.7	80.8	79.8	80.0	80.1	79.4	77.8	76.3	75.8	75.2	74.7	74.4	73.6	73.5	75.9	81.6	70.7
„ 15,	72.9	72.4	72.9	73.5	72.4	72.9	73.0	75.1	76.9	79.6	79.7	79.9	81.0	80.8	80.6	79.4	77.0	76.4	75.7	74.6	74.4	74.3	73.9	73.6	76.0	83.4	70.6
„ 16,	73.7	72.6	71.9	71.4	72.4	73.5	74.0	76.0	78.0	79.2	80.8	81.7	82.0	81.8	81.3	81.7	78.1	75.6	74.9	74.6	74.8	74.6	73.8	73.3	76.3	83.3	70.1
„ 17,	72.8	73.9	74.5	75.0	75.6	75.1	74.0	76.7	77.6	80.0	81.3	81.9	83.7	81.7	83.1	83.0	79.0	78.5	79.9	80.4	79.3	79.7	80.1	78.7	78.6	85.2	72.5
„ 18,	78.3	77.7	77.6	77.1	76.7	76.8	75.6	77.8	80.0	83.0	83.9	85.0	81.8	84.1	81.6	83.8	81.7	82.5	82.5	81.9	80.6	79.6	79.5	80.7	80.4	86.9	75.5
„ 19,	81.4	80.0	78.7	78.8	78.1	77.9	77.8	79.3	80.3	82.7	84.7	85.6	83.7	83.3	83.6	82.8	82.0	80.4	80.5	80.6	80.4	78.5	78.2	77.4	80.7	88.5	77.0
„ 20,	78.5	78.2	77.9	77.8	76.7	76.9	78.3	80.0	81.3	82.7	84.7	84.8	83.8	84.0	83.8	82.4	81.6	79.6	79.2	78.2	78.2	77.2	77.1	76.3	80.0	85.6	75.6
„ 21,	76.1	76.4	76.8	77.1	77.3	77.7	78.8	82.0	82.1	81.3	81.4	80.9	80.6	80.0	79.4	78.4	77.1	76.8	76.6	76.4	76.4	76.6	76.3	76.2	78.3	82.9	75.3
„ 22,	75.9	76.1	75.6	75.5	75.4	75.4	76.2	77.3	76.6	77.7	77.4	78.0	78.0	77.9	78.0	78.0	76.6	75.6	75.6	75.4	75.6	75.9	75.9	75.8	76.5	79.3	74.6
„ 23,	75.7	75.2	75.4	75.2	74.9	74.7	75.0	75.6	76.6	77.8	79.1	78.9	80.0	80.0	77.8	77.0	76.8	75.3	74.8	74.7	74.6	74.6	74.5	74.3	76.2	80.4	74.1
„ 24,	74.1	73.9	74.1	73.7	73.8	73.9	74.7	76.9	78.0	78.4	79.0	79.8	79.9	80.3	80.0	78.8	78.1	76.3	75.7	76.1	75.7	74.9	74.8	74.6	76.5	81.9	73.4
„ 25,	74.5	74.1	73.8	73.0	74.0	73.6	74.0	76.3	77.7	78.9	80.0	84.1	83.2	82.3	82.2	81.3	80.0	79.2	77.8	76.5	75.6	74.6	74.5	74.5	77.3	84.4	70.8
„ 26,	74.4	74.7	74.0	73.8	73.9	74.8	76.9	78.8	79.2	80.2	82.5	83.3	84.0	83.8	83.5	83.0	78.8	75.6	74.5	74.0	76.4	75.5	74.6	74.0	77.7	86.1	73.1
„ 27,	73.4	72.8	71.7	70.9	70.9	70.5	69.8	71.4	75.8	76.0	77.7	77.9	77.5	81.2	80.0	78.4	77.8	77.2	75.9	76.4	75.2	74.8	72.3	70 3	74.8	82.4	69 0
„ 28,	67.3	65.6	65.3	65.6	65.5	65.6	66.5	66.6	67.2	70.0	69.9	71.4	72.6	72.4	72.4	73.0	71.4	71.0	71.3	70.7	70.1	69.3	68.9	68.8	69.1	73.2	65.3
„ 29,	67.9	67.1	66.6	66.7	66.8	66.7	66.6	67.6	67.4	70.0	69.5	70.5	72.0	71.9	73.0	73.1	72.0	72.0	72.0	71.7	71.6	71.4	71.9	71.9	69.9	73.5	66.6
„ 30,	72.0	71.3	71.8	71.2	71.0	71.0	71.0	71.1	73.6	76 0	75.8	77.0	78.0	78.6	79.0	77.6	75.0	74.3	73.6	73.1	72.5	71.8	71.7	71.6	73.7	79.9	70.4
„ 31,	70.9	71.3	70.5	70.3	70.3	70.7	71.3	72.1	73.6	75.7	76.6	79.0	78.7	79.4	79.0	78.4	74.3	73.6	73.3	72.5	72.5	72.4	72.2	71.8	73.8	80.3	68.5
Means,	73.1	72.8	72.7	72.4	72.4	72.2	72.6	73.9	75.2	76.4	77.2	78.0	78.4	78.4	78.0	77.6	76.1	75.0	74.9	74.6	74.2	73.8	73.6	73.2	74.9	80.4	70.6

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF OCTOBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
Oct. 1, ...	71.0	70.5	71.1	71.4	71.5	71.0	71.7	71.4	71.9	71.8	72.7	73.0	72.3	71.2	70.9	70.4	69.8	68.7	67.4	66.6	65.9	65.0	64.7	63.6	69.8	124.6
„ 2, ...	63.0	62.4	62.0	61.6	61.8	61.6	61.3	62.0	63.4	63.8	64.0	65.0	66.5	65.7	64.6	65.6	64.5	64.1	65.8	66.0	66.0	66.1	66.9	66.4	64.2	133.6
„ 3, ...	66.7	66.2	67.6	68.0	68.1	68.6	69.5	69.7	69.9	71.0	70.6	71.1	71.7	72.7	72.7	73.4	73.7	74.2	74.8	75.1	74.5	74.5	74.6	73.8	71.4	102.6
„ 4, ...	73.4	73.1	72.8	72.1	71.6	71.2	70.9	71.5	71.4	72.3	73.0	73.0	74.2	73.4	74.1	73.3	73.1	72.6	72.1	70.8	69.7	69.1	68.9	68.1	71.9	146.6
„ 5, ...	67.8	67.5	67.1	66.5	66.4	65.7	65.0	65.5	65.3	64.9	65.1	66.0	66.3	67.0	67.5	66.7	65.7	65.0	64.7	64.2	63.6	63.6	63.4	63.3	65.6	115.9
„ 6, ...	63.4	62.8	62.7	62.6	62.5	62.0	62.0	62.3	64.0	64.8	64.6	65.1	65.1	65.3	65.0	65.4	65.0	65.6	65.7	65.7	65.7	65.3	63.8	63.0	64.1	135.7
„ 7, ...	62.2	61.8	61.8	61.5	61.5	61.5	60.1	61.4	62.4	62.7	64.0	64.7	63.7	65.0	65.2	65.7	63.8	63.5	63.2	63.1	62.8	62.7	62.3	61.7	62.8	144.4
„ 8, ...	61.5	61.0	60.5	60.0	60.0	60.2	60.3	61.4	64.3	64.3	65.0	65.7	65.7	64.9	65.2	65.1	65.0	64.9	64.9	64.0	63.6	63.8	62.8	62.8	63.2	138.4
„ 9, ...	63.1	62.6	62.5	62.8	63.4	63.3	63.8	64.5	64.6	66.0	66.8	67.5	66.8	67.0	66.9	66.3	66.3	66.0	66.1	66.2	65.8	66.0	65.4	65.9	65.2	105.2
„ 10, ...	66.0	65.8	65.6	65.7	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.6	66.8	67.2	67.0	66.8	66.9	67.1	67.8	66.9	67.4	67.4	67.5	66.5	75.1
„ 11, ...	67.8	67.8	68.2	67.8	67.4	67.0	66.9	67.2	67.3	66.6	67.3	66.0	66.3	66.9	66.7	66.4	66.9	67.1	67.7	67.5	67.7	68.0	68.8	69.3	67.4	89.0
„ 12, ...	69.3	69.1	69.0	68.3	68.3	68.3	68.0	68.3	66.1	65.7	66.3	67.1	69.0	70.3	70.6	70.7	69.1	68.1	68.3	67.9	68.6	68.4	68.4	68.7	68.4	130.9
„ 13, ...	68.8	68.8	68.6	68.3	68.8	68.7	68.7	66.3	64.1	65.3	65.3	66.3	66.9	69.4	70.3	70.0	70.1	69.4	68.7	68.1	69.5	69.8	69.8	69.9	68.3	135.0
„ 14, ...	70.3	69.8	70.3	70.1	69.5	65.0	65.8	63.7	64.4	66.4	66.3	67.7	68.2	69.3	70.1	70.4	70.0	69.8	69.8	70.6	70.7	70.8	70.7	70.6	68.8	134.6
„ 15, ...	70.0	69.2	69.8	67.4	68.9	64.2	63.0	64.0	64.8	66.5	66.8	66.9	67.0	68.8	69.0	69.1	69.0	70.7	70.8	69.9	70.0	70.0	70.6	70.7	68.2	134.7
„ 16, ...	70.5	70.1	69.5	64.5	61.6	60.0	60.0	61.7	63.0	64.0	64.0	63.7	63.0	63.0	66.5	67.1	68.0	67.4	67.6	67.0	67.6	67.9	68.0	68.7	65.6	140.0
„ 17, ...	68.5	64.9	63.0	62.1	60.6	59.7	59.5	61.1	61.3	62.4	62.3	62.5	64.0	66.4	68.0	67.3	65.3	65.5	64.9	64.9	65.9	64.6	64.1	63.5	63.8	146.3
„ 18, ...	63.3	62.9	62.8	62.9	63.0	62.8	63.0	63.1	65.9	68.1	68.2	70.1	71.3	71.7	71.0	69.7	70.3	69.0	68.8	68.9	71.0	70.6	70.6	68.6	67.4	152.5
„ 19, ...	68.5	69.5	69.3	67.2	66.4	66.4	66.5	68.1	68.7	69.7	70.4	71.1	72.8	72.0	72.2	72.0	71.0	71.7	70.2	70.3	70.5	71.4	71.5	71.2	69.9	154.4
„ 20, ...	70.0	70.3	71.0	70.0	70.7	68.6	70.0	70.1	71.1	71.0	72.8	73.8	73.2	73.3	73.3	73.0	72.3	73.7	72.5	72.5	72.6	72.6	73.1	72.0	71.8	136.6
„ 21, ...	72.2	71.9	71.9	72.0	71.1	70.9	71.5	72.0	71.6	72.3	72.8	73.2	73.8	74.6	74.6	74.3	73.8	74.0	73.8	73.8	73.9	74.3	73.7	73.7	73.0	130.0
„ 22, ...	71.2	71.5	71.6	71.4	71.6	72.2	72.0	73.0	72.3	72.8	72.1	72.4	72.4	72.5	72.3	72.2	71.8	71.5	71.5	71.4	71.3	71.4	71.0	70.7	71.8	133.1
„ 23, ...	70.6	70.5	70.6	70.4	70.1	70.0	69.3	68.8	68.7	70.8	71.0	70.8	71.2	69.2	70.0	70.7	71.3	71.0	70.7	70.9	71.0	71.0	70.7	70.7	70.4	131.3
„ 24, ...	70.4	70.4	70.4	70.6	70.9	70.9	70.5	70.2	72.3	71.9	72.2	73.0	72.8	73.2	73.7	73.1	73.0	72.7	72.7	72.3	72.0	71.9	71.2	70.8	71.8	136.2
„ 25, ...	70.1	70.0	69.9	69.7	69.5	69.3	69.3	71.3	72.0	72.8	73.4	74.4	76.0	75.4	75.1	75.0	74.0	74.5	74.2	73.4	72.5	71.5	71.8	71.5	72.4	136.1
„ 26, ...	71.0	70.9	70.7	70.5	70.2	68.6	65.8	65.1	65.3	65.3	65.6	66.3	67.2	66.8	66.2	65.0	71.0	70.9	70.3	70.2	64.5	63.3	62.8	62.1	67.3	139.7
„ 27, ...	61.7	61.6	61.1	60.3	59.9	59.7	59.0	61.0	62.1	62.3	63.0	63.2	62.9	65.2	64.6	64.0	64.0	64.1	64.9	64.8	63.5	63.4	63.4	63.0	62.6	138.7
„ 28, ...	63.6	63.6	63.5	64.1	64.0	63.6	63.6	63.8	64.3	65.2	65.8	66.4	66.2	65.2	66.0	66.0	66.9	67.0	66.0	65.4	64.4	64.1	64.0	63.5	64.8	114.8
„ 29, ...	63.7	63.6	63.7	63.7	63.7	63.9	63.7	64.3	64.6	66.1	66.1	66.8	67.3	67.7	67.3	67.8	67.5	67.6	67.8	67.3	67.1	67.5	67.2	67.6	66.0	96.2
„ 30, ...	67.5	67.2	66.8	66.5	66.3	66.1	65.6	65.8	66.7	67.8	67.8	68.4	69.0	69.3	69.8	68.7	68.3	67.1	66.4	65.9	65.9	65.4	65.2	65.7	67.0	142.9
„ 31, ...	65.8	65.1	65.0	65.0	64.6	64.4	64.3	64.7	65.3	66.7	66.9	68.2	68.0	69.0	68.9	68.7	70.7	70.2	70.5	70.4	67.0	66.0	65.6	65.6	66.9	150.0
Means, ...	67.5	67.2	67.1	66.6	66.4	65.8	65.7	66.1	66.6	67.3	67.7	68.2	68.6	69.0	69.2	69.0	69.0	68.9	68.7	68.5	68.1	68.0	67.8	67.6	67.7	129.8

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF OCTOBER, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	74	0.602	Oct. 1,.....	66	0.626
2 „	74	.595	„ 2,.....	67	.512
3 „	74	.593	„ 3,.....	90	.745
4 „	73	.580	„ 4,.....	76	.712
5 „	71	.572	„ 5,.....	68	.542
6 „	69	.554	„ 6,.....	61	.489
7 „	67	.545	„ 7,.....	50	.421
8 „	64	.541	„ 8,.....	51	.434
9 „	62	.542	„ 9,.....	80	.569
10 „	60	.551	„ 10,.....	87	.620
11 „	59	.555	„ 11,.....	90	.647
Noon.	58	.563	„ 12,.....	73	.618
1 p.	59	.572	„ 13,.....	68	.601
2 „	60	.587	„ 14,.....	69	.609
3 „	62	.600	„ 15,.....	65	.587
4 „	63	.598	„ 16,.....	54	.488
5 „	69	.618	„ 17,.....	40	.395
6 „	72	.629	„ 18,.....	48	.498
7 „	72	.623	„ 19,.....	56	.587
8 „	72	.620	„ 20,.....	65	.671
9 „	72	.610	„ 21,.....	77	.742
10 „	73	.612	„ 22,.....	78	.718
11 „	73	.607	„ 23,.....	74	.667
Midt.	74	.605	„ 24,.....	78	.718
			„ 25,.....	77	.731
			„ 26,.....	55	.530
			„ 27,.....	47	.406
			„ 28,.....	78	.557
			„ 29,.....	80	.588
			„ 30,.....	69	.573
			„ 31,.....	68	.568
Means,.....	68	0.586	Means.	68	0.586

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
Oct. 1,.....	...	...	...	...	...	...	...	0.2	...	...	...	...	...	0.2
„ 2,.....	...	...	...	...	...	...	0.1	0.5	0.6	0.6	...	...	...	1.8
„ 3,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,.....	...	0.1	0.1	...	...	0.5	0.2	0.8	0.6	0.6	0.2	0.1	...	3.2
„ 5,.....	...	...	...	...	...	...	...	...	0.1	...	...	...	...	0.1
„ 6, ...	...	0.2	...	0.5	0.2	0.2	...	0.1	0.4	0.1	...	...	...	1.7
„ 7,.....	...	...	...	0.6	0.1	0.6	1.0	0.7	1.0	0.9	0.1	0.5	...	5.5
„ 8,.....	...	...	...	0.7	0.7	0.7	0.5	...	...	...	...	...	...	2.6
„ 9,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 10,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,.....	...	...	...	...	...	...	...	...	...	...	...	0.2	...	0.2
„ 12,.....	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	...	10.4
„ 13,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.2
„ 14,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.5
„ 15,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.9
„ 16,.....	...	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.4	...	9.1
„ 17,.....	...	...	0.1	0.2	0.6	0.4	0.4	0.8	0.2	0.8	1.0	0.8	...	5.3
„ 18,.....	...	...	0.2	0.6	1.0	1.0	1.0	0.9	0.8	...	...	...	...	5.5
„ 19,.....	...	0.1	0.6	0.1	0.6	1.0	1.0	1.0	1.0	1.0	0.8	0.2	...	7.4
„ 20,.....	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.6
„ 21,.....	...	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.4
„ 22,.....	...	...	0.4	0.7	0.6	0.3	1.0	1.0	1.0	1.0	1.0	0.7	...	7.7
„ 23,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	...	10.1
„ 24,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.1
„ 25,.....	...	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	...	10.3
„ 26,.....	...	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	...	...	9.1
„ 27,.....	...	0.2	0.8	0.8	1.0	0.6	0.6	0.4	1.0	0.9	...	...	...	6.3
„ 28,.....	...	...	...	...	...	...	...	0.1	...	...	...	...	...	0.1
„ 29,.....	...	...	...	...	...	...	...	...	...	...	0.1	0.3	...	0.4
„ 30,.....	...	...	...	0.2	0.2	0.3	0.5	1.0	0.2	1.0	0.6	0.4	...	4.4
„ 31,.....	...	...	...	0.2	0.9	0.9	0.8	0.8	1.0	0.9	...	...	...	5.5
Sums,.....	...	6.2	13.0	15.6	16.9	17.5	18.1	19.3	18.9	18.4	14.5	10.2	...	168.6

TABLE VI.

RAINFALL FOR THE MONTH OF OCTOBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
Oct. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	0.005	...	...	0.005	0.005	...	0.005	0.040	3
„ 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	0.020	...
„ 3,	...	...	0.020	...	0.005	0.095	0.005	0.255	0.200	0.100	0.055	0.095	0.040	...	0.010	...	0.020	...	...	0.055	0.095	0.025	0.175	1.070	2.320	12
„ 4,	0.485	0.025	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	0.030	0.330	0.030	...	...	...	0.930	6
„ 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 9,	...	...	...	...	0.035	0.035	...	...	...	...	...	...	...	0.010	0.055	0.135	0.205	0.115	0.120	0.090	0.040	...	...	...	0.840	10
„ 10,	...	...	0.005	...	...	...	...	...	0.215	0.445	0.140	0.290	0.125	0.075	0.005	0.035	0.040	0.075	0.070	0.040	0.005	0.075	0.020	...	1.660	13
„ 11,	...	0.015	0.020	0.015	0.010	0.005	...	...	0.010	0.095	0.155	0.055	0.100	0.035	0.015	...	...	...	...	...	...	...	...	...	0.530	10
„ 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 28,	0.080	0.060	0.040	...	0.125	0.020	...	...	0.025	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.350	9
„ 29,	...	...	...	...	...	...	...	0.010	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.015	2
„ 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.015	...	...	...	...	0.015	2
Sums,	0.565	0.100	0.095	0.015	0.175	0.155	0.005	0.265	0.455	0.640	0.350	0.440	0.265	0.120	0.085	0.170	0.285	0.215	0.220	0.530	0.175	0.105	0.195	1.095	6.720	67

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF OCTOBER, 1898.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Oct. 1,	29	8	28	8	25	13	25	11	23	14	25	15	26	13	27	16	28	14	27	12	28	20	27	14	30	16	31	23	31	16	31	14	29	14	30	21	30	24	30	21	30	19	30	22	30	14	31	10	372	15.5	29
„ 2,	30	10	31	11	30	8	28	3	4	3	4	3	30	5	12	5	1	11	32	16	32	15	32	10	31	7	31	6	32	9	32	10	32	12	32	9	32	5	32	2	...	0	...	1	30	2	32	6	169	7.0	32
„ 3,	...	1	...	0	...	1	31	2	...	0	32	2	...	1	22	3	...	1	...	1	23	2	28	3	28	3	27	2	24	2	32	5	5	17	4	22	6	17	6	26	6	26	7	24	3	11	4	7	179	7.5	5
„ 4,	26	8	30	5	4	15	3	14	4	14	5	21	4	22	5	23	4	18	4	12	4	13	4	13	2	9	1	12	3	8	32	15	32	12	1	11	5	7	1	12	1	18	1	26	1	21	32	21	350	14.6	2
„ 5,	32	23	32	25	1	17	2	19	2	21	1	23	1	21	32	23	1	17	32	20	32	19	32	17	32	19	32	16	32	22	32	26	32	27	1	24	1	18	32	23	1	20	1	28	32	24	1	28	520	21.7	1
„ 6,	32	22	32	28	32	27	32	25	32	26	32	24	32	26	32	28	32	23	32	19	32	17	32	15	32	20	32	20	32	20	32	14	32	18	32	20	32	22	32	18	32	16	32	18	32	22	32	22	510	21.2	32
„ 7,	32	22	32	24	32	26	32	24	32	26	32	24	32	25	32	26	32	27	32	20	32	20	32	20	1	17	1	19	32	15	32	10	31	9	30	8	32	17	32	19	32	20	32	19	1	23	32	27	487	20.3	32
„ 8,	1	24	1	20	1	24	1	22	1	22	1	16	1	21	1	23	1	30	1	20	32	13	1	13	1	14	1	12	32	10	32	9	31	7	1	9	31	11	1	18	32	23	1	21	1	21	1	19	422	17.6	1
„ 9,	1	13	32	19	31	14	32	14	2	19	31	12	32	14	31	13	32	16	1	14	32	17	31	16	1	13	32	9	32	10	32	16	32	11	31	13	32	13	32	17	32	13	32	13	32	13	32	17	339	14.1	32
„ 10,	32	14	32	17	32	13	32	17	32	19	32	21	32	20	32	19	32	15	1	17	1	19	32	17	32	16	32	13	32	16	31	16	31	12	31	13	32	12	32	15	32	19	32	14	32	9	32	7	370	15.4	32
„ 11,	3	5	1	2	1	3	1	3	2	9	6	12	6	11	32	3	1	9	1	8	2	6	7	17	5	13	8	11	8	16	8	15	7	11	4	4	8	6	4	2	4	2	...	1	...	1	...	1	171	7.1	5
„ 12,	7	2	4	4	4	9	1	6	1	2	...	1	1	2	2	6	32	10	4	10	8	7	8	8	11	8	9	12	9	13	9	11	10	11	9	6	9	5	9	8	9	7	9	7	9	6	...	1	162	6.8	7
„ 13,	7	2	...	1	12	2	...	0	...	1	...	1	12	3	32	8	1	8	32	6	14	5	31	10	32	6	23	7	24	8	23	7	22	7	21	3	9	8	8	8	8	7	8	6	5	4	...	1	119	5.0	2
„ 14,	13	2	...	1	...	1	13	2	13	2	3	8	13	4	32	9	2	3	2	2	26	7	23	3	23	4	23	5	24	9	24	10	24	9	24	7	24	2	14	5	8	10	9	13	8	11	7	9	138	5.7	1
„ 15,	6	3	6	3	7	3	2	3	10	3	3	2	2	5	1	6	1	11	3	6	9	9	10	7	13	4	25	6	12	4	23	8	23	5	19	2	19	2	...	1	9	9	8	7	8	5	9	10	124	5.2	7
„ 16,	7	7	7	2	7	2	2	5	1	9	1	15	1	12	1	13	32	12	32	13	32	11	1	11	32	9	4	6	20	4	26	4	10	13	8	14	9	9	8	7	10	4	9	2	9	2	...	1	187	7.8	3
„ 17,	8	2	27	3	25	6	30	3	32	9	32	17	32	13	32	18	32	16	26	6	32	8	32	6	5	6	25	3	21	7	27	3	31	6	31	4	31	6	...	1	26	6	30	5	32	8	32	11	173	7.2	31
„ 18,	31	10	29	5	32	6	31	9	31	6	32	5	27	8	23	2	26	9	27	6	29	8	24	12	24	13	27	13	27	11	29	10	28	9	31	15	31	13	31	10	1	2	24	4	26	5	31	11	202	8.4	29
„ 19,	3	8	22	7	24	8	29	5	25	12	24	11	24	7	25	6	23	4	27	6	28	8	28	9	20	17	23	18	24	17	23	13	26	11	26	4	26	4	22	5	21	5	21	2	...	0	21	2	189	7.9	24
„ 20,	21	2	22	6	22	2	...	1	20	2	23	6	22	6	23	6	23	5	23	6	22	11	22	9	24	9	24	9	23	9	25	8	25	4	25	5	...	0	...	1	...	1	20	2	...	0	...	1	111	4.6	23
„ 21,	...	0	...	1	20	2	20	2	...	1	...	1	16	3	8	5	8	13	9	16	9	21	10	22	9	19	9	19	9	17	9	17	10	16	9	12	9	9	8	6	8	8	8	12	9	15	9	12	249	10.4	9
„ 22,	8	11	8	12	8	15	8	12	7	9	9	11	8	9	9	18	9	19	10	20	9	21	9	22	9	21	9	19	9	17	9	15	9	11	10	12	9	13	8	14	8	14	7	14	7	18	7	20	367	15.3	9
„ 23,	6	22	7	21	6	21	6	24	5	19	5	23	5	25	7	26	7	22	8	19	9	18	10	15	8	19	9	18	9	23	9	23	9	19	8	17	8	15	8	13	7	15	7	17	8	12	6	11	457	19.0	7
„ 24,	7	10	7	12	7	13	8	15	8	15	7	12	6	10	7	9	9	10	10	12	9	10	10	7	9	6	8	5	24	9	25	8	25	7	25	4	...	1	25	2	7	10	9	10	8	8	8	10	215	9.0	8
„ 25,	7	9	8	8	8	3	12	3	7	8	6	3	...	1	...	1	18	4	24	9	20	11	22	9	22	9	24	8	25	9	24	8	24	5	22	2	8	12	9	18	9	18	10	10	9	11	8	11	190	7.9	11
„ 26,	6	12	6	11	7	8	7	7	...	1	10	2	1	9	32	25	32	25	32	24	32	21	1	15	32	13	1	13	3	9	1	12	7	10	8	13	8	14	8	9	1	12	1	20	1	18	32	27	330	13.8	2
„ 27,	32	30	1	23	1	17	32	23	1	26	1	27	1	18	16	6	2	12	2	15	32	10	32	14	32	12	32	10	1	11	1	13	32	11	4	14	1	11	1	15	32	17	1	12	32	22	32	16	385	16.0	1
„ 28,	31	10	28	8	29	7	29	7	30	4	29	7	30	8	31	11	31	8	31	8	28	9	31	8	31	11	30	14	31	15	30	12	29	11	28	14	30	10	32	8	31	5	31	7	31	8	31	11	221	9.2	30
„ 29,	32	13	31	12	31	11	31	11	31	10	32	8	32	9	32	5	32	4	3	3	31	8	31	7	30	2	30	3	3	3	32	4	32	5	32	4	...	1	1	3	2	5	1	5	2	6	1	9	151	6.3	32
„ 30,	1	7	32	10	32	12	32	12	32	13	32	14	32	18	32	8	32	14	32	9	32	12	32	14	32	15	32	13	31	13	32	12	1	9	32	9	32	14	32	18	32	18	32	21	32	16	32	10	311	13.0	32
„ 31,	31	10	32	12	32	11	31	9	32	13	32	20	1	21	32	26	32	21	32	24	32	28	32	20	32	16	32	16	32	13	3	12	8	20	7	17	7	13	7	10	3	9	1	14	32	20	32	15	390	16.2	1
Sums,	...	322	...	321	...	320	...	313	...	338	...	367	...	370	...	396	...	411	...	379	...	404	...	383	...	366	...	360	...	365	...	360	...	349	...	332	...	314	...	335	...	358	...	377	...	356	...	364	8560	356.7	...
Means,	...	10.4	...	10.4	...	10.3	...	10.1	...	10.9	...	11.8	...	11.9	...	12.8	...	13.3	...	12.2	...	13.0	...	12.4	...	11.8	...	11.6	...	11.8	...	11.6	...	11.3	...	10.7	...	10.1	...	10.8	...	11.5	...	12.2	...	11.5	...	11.7	276.1	11.5	...

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
Oct. 1, ...	10	c-str. / cum.	N	5	c-str. / cum.	N	8	c-cum. / cum.	N / ..	9	sm-cum. / cum.	N
„ 2, ...	10	str-cum.	N	10	str-cum.	N	10	str-cum.	N	10	str-cum.	N
„ 3, ...	10	str-cum.	E	10	str-cum.	E	10	nim.	E	10	nim.	E
„ 4, ...	10	nim.	E	10	cum.	ENE	10	c-cum. / sm-cum. / cum.	ENE	10	str. / cum.	ENE
„ 5, ...	10	str-cum.	NE	10	str-cum.	NE	10	str-cum.	ENE	10	str-cum.	ENE
„ 6, ...	9	cum.	ENE	0	...	...	8	c-cum. / cum.	NE / ENE	10	c-cum. / cum.	ENE
„ 7, ...	9	sm-cum.	NE	9	sm-cum.	NE	8	sm-cum.	NE	9	sm-cum.	NNE
„ 8, ...	5	sm-cum. / cum.	NE	8	sm-cum. / cum.	NE	8	c-cum. / sm-cum.	NE / ..	8	c-cum. / cum.	E
„ 9, ...	10	str-cum.	NNE	10	nim.	...	10	nim.	NE	10	str. / nim.	ENE
„ 10, ...	10	nim.	ENE	10	nim.	ENE	10	cum-nim.	ENE	10	nim.	ENE
„ 11, ...	10	str-cum.	NE	10	nim.	...	10	nim.	NE	10	nim.	ENE
„ 12, ...	0	...	...	2	cum.	...	3	c-cum. / cum.	NNE / ..	3	c-cum.	NE
„ 13, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 14, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 15, ...	0	...	...	0	...	...	7	c-cum.	...	4	c-cum.	...
„ 16, ...	5	c-cum.	...	6	c-cum.	...	8	c-cum.	...	8	c-cum.	...
„ 17, ...	7	cum.	NE	10	str-cum.	...	10	c-cum. / cum.	ENE	9	sm-cum.	ENE
„ 18, ...	4	sm-cum.	NNE	9	sm-cum.	NNE	9	sm-cum.	NNE	8	c-cum. / sm-cum.	NE
„ 19, ...	9	cum.	N	4	sm-cum.	NNW	5	sm-cum. / cum.	N / ..	7	sm-cum. / cum.	N / NNE
„ 20, ...	8	cum.	NE	0	...	...	0	...	...	1	sm-cum.	...
„ 21, ...	0	...	...	0	...	...	1	sm-cum.	...	0	...	...
„ 22, ...	9	nim.	...	1	cum.	...	8	cum.	E	9	cum.	E
„ 23, ...	0	...	...	9	cum.	ENE	2	cum.	ENE	1	cum.	...
„ 24, ...	0	...	...	0	...	...	1	cum.	...	2	cum.	NNE
„ 25, ...	8	cum.	E	0	...	...	3	c-cum.	...	1	c-cum.	...
„ 26, ...	0	...	...	0	...	...	3	c-cum.	...	7	c-str.	...
„ 27, ...	9	cum.	NE	9	cum.	NE	5	c-cum. / sm-cum. / cum.	NNE	4	c-cum. / sm-cum. / cum.	.. / N / NNE
„ 28, ...	10	nim.	...	10	nim.	...	10	str. / cum.	N	10	str. / cum.	N
„ 29, ...	10	str-cum.	ENE	10	str-cum.	ENE	10	str-cum.	NE	10	str-cum.	ENE
„ 30, ...	10	str-cum.	ENE	10	str-cum.	ENE	9	str-cum.	ENE	9	sm-cum. / cum.	ENE
„ 31, ...	9	cum.	E	10	cum.	E	8	sm-cum. / cum.	NNE	7	sm-cum.	NE
Means, ...	6.5	...	...	5.9	...	...	6.6	...	...	6.6	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
Oct. 1,...	10	sm-cum. / cum.	N	10	str. / cum.	N	8	cum. / nim.	N / ..	8	cum.	N	8.5
„ 2,...	10	c-cum. / cum.	N	10	str-cum.	N	10	str-cum.	...	10	str-cum.	...	10.0
„ 3,...	10	nim.	...	10	cum.	E	9	cum-nim.	...	10	nim.	...	9.9
„ 4,...	8	c-cum. / cum.	ENE	8	c-cum. / cum.	NE	10	cum-nim.	...	9	R-cum.	NE	9.4
„ 5,...	10	str-cum.	...	10	str.	...	9	str.	...	10	str-cum.	...	9.9
„ 6,...	10	c-cum. / cum.	NE / ENE	10	c-cum. / str.	ENE	10	str-cum.	...	5	cum.	...	7.7
„ 7,...	8	sm-cum.	...	8	sm-cum.	NNE	0	...	...	0	...	...	6.4
„ 8,...	10	sm-cum.	ENE	10	str-cum.	ENE	10	str-cum.	...	10	str-cum.	...	8.6
„ 9,...	10	sm-cum. / nim.	ENE	10	nim.	ENE	10	nim.	...	10	nim.	...	10.0
„ 10,...	10	nim.	ENE	10	nim.	ENE	10	nim.	...	10	nim.	...	10.0
„ 11,...	10	nim.	ENE	9	sm-cum. / nim.	ENE	8	sm-cum. / cum.	...	2	cum.	...	8.6
„ 12,...	0	...	...	0	...	...	0	...	...	0	...	...	1.0
„ 13,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 14,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 15,...	8	c-cum.	...	6	c-cum.	...	4	c-cum.	...	8	c-cum.	...	4.6
„ 16,...	10	c-str. / c-cum.	...	8	c-cum.	...	7	c-cum.	...	10	str.	...	7.8
„ 17,...	5	sm-cum.	NE	4	c-str.	...	9	c-str. / sm-cum.	...	8	sm-cum.	...	7.7
„ 18,...	4	c-str. / sm-cum.	NNE	8	sm-cum.	N	6	sm-cum.	...	3	cum.	...	6.4
„ 19,...	3	c-cum. / sm-cum.	...	7	sm-cum.	N	5	sm-cum.	N	3	sm-cum.	N	5.4
„ 20,...	0	...	...	0	...	...	5	sm-cum.	NE	6	sm-cum.	...	2.5
„ 21,...	1	sm-cum.	...	1	cum.	...	2	cum.	E	8	cum.	E	1.6
„ 22,...	1	sm-cum. / cum.	...	4	sm-cum. / cum.	E	1	cum.	E	4	cum.	E	4.6
„ 23,...	1	cum.	...	0	...	...	0	...	...	1	cum	ESE	1.7
„ 24,...	2	cum.	NNE	0	...	...	0	...	...	10	str-cum.	SE	1.9
„ 25,...	7	c-cum / cum.	NNE	1	c-cum.	...	1	c-cum.	...	1	c-cum.	...	2.7
„ 26,...	9	c-str.	...	9	c-str.	...	10	c-str.	...	10	c-str. / cum.	NE	6.0
„ 27,...	9	c-cum. / cum.	NNE	10	c-cum.	NE	10	str.	NNE	10	str.	...	8.3
„ 28,...	9	c-cum. / cum.	NE	10	sm-cum. / cum.	NE	10	cum.	NE	10	str.	ENE	9.9
„ 29,...	10	str-cum.	ENE	9	cum.	ENE	9	cum.	ENE	10	cum.	ENE	9.7
„ 30,...	8	sm-cum.	...	4	sm-cum.	S	10	sm-cum.	...	7	sm-cum.	E	8.4
„ 31,...	5	sm-cum. / cum.	NE	10	cum.	ENE	10	nim.	ENE	9	sm-cum. / cum.	ENE	8.5
Means,...	6.4	...	...	6.3	...	...	6.2	...	...	6.5	...	...	6.4

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF OCTOBER, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	8.0	3.0	0.1	0.7	+ 7.9	+ 2.3	N 16° E
2 „	7.7	2.5	0.2	1.1	7.5	1.4	N 11° E
3 „	7.4	3.0	0.1	1.4	7.3	1.6	N 13° E
4 „	7.8	2.7	0.2	0.9	7.6	1.8	N 13° E
5 „	8.4	3.0	0.2	1.0	8.2	2.0	N 14° E
6 „	9.0	3.1	0.1	1.2	8.9	1.9	N 12° E
7 „	9.5	2.9	0.3	1.2	9.2	1.7	N 11° E
8 „	9.7	2.9	0.5	1.1	9.2	1.8	N 11° E
9 „	10.3	3.2	0.4	1.0	9.9	2.2	N 13° E
10 „	8.7	3.3	0.5	1.4	8.2	1.9	N 13° E
11 „	8.7	3.3	1.1	1.9	7.6	1.4	N 11° E
Noon.	7.8	3.5	1.0	1.9	6.8	1.6	N 14° E
1 p.	7.3	3.3	1.0	1.9	6.3	1.4	N 13° E
2 „	6.8	3.2	0.6	2.6	6.2	0.6	N 6° E
3 „	6.3	3.3	0.8	2.9	5.5	0.4	N 4° E
4 „	6.9	3.0	0.6	2.7	6.3	0.3	N 2° E
5 „	6.0	4.0	0.8	2.3	5.2	1.7	N 18° E
6 „	6.5	4.1	0.4	1.8	6.1	2.3	N 21° E
7 „	6.1	4.3	0.4	0.8	5.7	3.5	N 31° E
8 „	6.8	4.2	0.4	0.5	6.4	3.7	N 30° E
9 „	7.5	4.6	0.4	0.6	7.1	4.0	N 30° E
10 „	8.2	4.7	0.4	0.6	7.8	4.1	N 28° E
11 „	8.5	3.7	0.2	0.4	8.3	3.3	N 22° E
Midt.	9.1	3.2	0.2	0.3	+ 8.9	+ 2.9	N 18° E
Means, ...	7.9	3.4	0.5	1.3	+ 7.42	+ 2.08	N 16° E

PHENOMENA :—

Solar halo :—on the 16th, 17th and 26th.

Lunar halo :—on the 1st and 26th.

Lunar corona :—on the 29th.

Fog :—on the 13th and 24th.

Slight fog :—on the 12th and 25th.

Haze :—on the 13th, 20th and 25th.

Unusual Visibility :—on the 2nd.

Dew :—on the 14th, 15th and 20th.

Rainbow :—on the 1st.

Thunderstorm :—on the 3rd, 7 a.—Noon, in SE, nearest at 10.44 a., (5^s).

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF NOVEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Nov. 1,...	29.903	29.895	29.884	29.877	29.881	29.901	29.909	29.924	29.937	29.933	29.908	29.893	29.850	29.828	29.821	29.820	29.827	29.839	29.843	29.858	29.853	29.856	29.850	29.836	29.872
„ 2,...	.829	.815	.799	.791	.795	.812	.818	.831	.857	.864	.841	.817	.784	.762	.758	.763	.773	.795	.811	.833	.836	.844	.833	.828	.812
„ 3,...	.814	.806	.800	.796	.804	.820	.840	.860	.878	.887	.875	.850	.821	.806	.804	.824	.831	.840	.862	.874	.891	.906	.911	.904	.846
„ 4,...	.899	.894	.881	.886	.899	.918	.947	.964	.975	.974	.957	.932	.924	.903	.896	.896	.910	.915	.934	.961	.957	.963	.955	.941	.928
„ 5,...	.928	.921	.919	.924	.927	.952	.967	.979	.990	.983	.960	.938	.915	.884	.877	.873	.885	.899	.927	.937	.954	.964	.962	.950	.934
„ 6,...	.933	.921	.909	.903	.901	.922	.939	.964	.976	.977	.956	.921	.879	.863	.853	.867	.889	.905	.925	.943	.945	.943	.944	.937	.921
„ 7,...	.927	.911	.907	.897	.905	.921	.933	.944	.951	.951	.938	.915	.877	.851	.844	.851	.874	.895	.915	.932	.936	.933	.928	.913	.910
„ 8,...	.898	.891	.881	.883	.887	.904	.921	.933	.951	.939	.912	†.893	†.853	†.831	†.825	†.839	†.856	†.861	†.881	†.906	†.906	†.918	†.925	†.916	.892
„ 9,...	†.906	†.893	†.881	†.879	†.873	†.893	†.906	†.923	†.933	†.937	†.921	.905	.879	.862	.858	.865	.873	.885	.900	.905	.915	.918	.904	.891	.896
„ 10,...	.888	.890	.878	.881	.878	.900	.913	.939	.953	.957	.938	.921	.882	.877	.865	.878	.880	.873	.890	.907	.920	.925	.917	.902	.902
„ 11,...	.895	.875	.871	.867	.865	.883	.898	.913	.928	.920	.897	.871	.834	.814	.803	.801	.809	.824	.853	.865	.869	.866	.858	.839	.863
„ 12,...	.824	.814	.799	.792	.788	.799	.816	.832	.835	.826	.797	.765	.733	.700	.687	.683	.688	.700	.723	.734	.739	.737	.725	.717	.761
„ 13,...	.687	.674	.662	.656	.653	.669	.681	.698	.708	.706	.695	.674	.641	.624	.606	.610	.616	.629	.653	.672	.673	.684	.682	.681	.664
„ 14,...	.668	.647	.637	.629	.640	.658	.677	.703	.725	.723	.698	.678	.650	.636	.626	.631	.637	.632	.650	.669	.677	.687	.687	.697	.665
„ 15,...	.692	.680	.676	.673	.677	.693	.708	.722	.734	.729	.705	.675	.657	.637	.624	.625	.644	.667	.692	.700	.716	.728	.730	.723	.688
„ 16,...	.723	.719	.708	.706	.711	.722	.736	.749	.758	.756	.743	.718	.695	.676	.667	.667	.681	.702	.723	.758	.768	.781	.783	.785	.726
„ 17,...	.781	.779	.772	.770	.771	.788	.807	.824	.829	.831	.817	.789	.765	.745	.747	.755	.775	.789	.812	.831	.832	.840	.841	.840	.797
„ 18,...	.838	.821	.815	.816	.817	.841	.848	.860	.882	.885	.877	.850	.825	.801	.795	.801	.805	.810	.832	.851	.858	.866	.869	.870	.839
„ 19,...	.861	.860	.855	.849	.850	.873	.893	.905	.922	.924	.904	.875	.848	.831	.822	.822	.836	.847	.862	.877	.894	.894	.893	.884	.870
„ 20,...	.867	.852	.836	.824	.834	.842	.858	.870	.875	.860	.833	.794	.754	.734	.723	.720	.725	.736	.756	.773	.784	.789	.787	.784	.800
„ 21,...	.779	.775	.775	.772	.775	.785	.812	.834	.835	.839	.827	.797	.777	.766	.790	.812	.842	.871	.914	.948	.970	.988	.986	.982	.844
„ 22,...	.983	.984	.980	.994	.998	30.027	30.054	30.069	30.079	30.072	30.049	30.022	.978	.961	.957	.966	.981	.998	30.018	30.027	30.046	30.063	30.079	30.078	30.019
„ 23,...	30.078	30.068	30.061	30.060	30.063	.082	.112	.134	.139	.138	.129	.112	30.074	30.052	30.043	30.044	30.052	30.071	.091	.104	.110	.110	.109	.097	.089
„ 24,...	.093	.083	.071	.075	.079	.103	.116	.114	.129	.136	.116	.088	.079	.054	.057	.053	.056	.075	.097	.119	.122	.121	.117	.092	.094
„ 25,...	.087	.083	.075	.069	.070	.083	.095	.108	.127	.127	.101	.076	.034	.016	.005	.005	.006	.018	.039	.057	.072	.089	.089	.092	.068
„ 26,...	.086	.077	.075	.085	.086	.101	.123	.142	.151	.155	.150	.124	.083	.059	.048	.050	.076	.084	.115	.139	.154	.167	.167	.166	.111
„ 27,...	.173	.170	.178	.189	.189	.209	.219	.245	.254	.252	.234	.209	.173	.155	.142	.140	.158	.169	.195	.216	.226	.231	.228	.221	.199
„ 28,...	.222	.219	.218	.218	.220	.236	.260	.282	.287	.283	.259	.239	.210	.193	.186	.194	.202	.208	.219	.231	.241	.239	.242	.229	.231
„ 29,...	.229	.211	.200	.181	.186	.193	.213	.229	.241	.237	.212	.192	.150	.114	.098	.096	.102	.112	.125	.144	.136	.138	.127	.118	.166
„ 30,...	.108	.100	.080	.077	.072	.089	.097	.102	.103	.097	.069	.033	.004	29.983	29.982	29.983	29.992	29.995	.002	.008	.004	.005	.001	29.999	.041
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,.....	29.920	29.911	29.903	29.901	29.903	29.921	29.937	29.953	29.965	29.963	29.944	29.919	29.888	29.867	29.860	29.864	29.876	29.888	29.909	29.926	29.933	29.940	29.938	29.930	29.915

† Approximate Reading.

TABLE II.

TEMPERATURE FOR THE MONTH OF NOVEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Nov. 1,	71.6	71.3	70.9	70.0	70.2	69.3	70.1	70.1	71.3	72.7	73.1	73.2	73.9	73.8	73.6	72.6	70.7	68.8	70.3	70.4	70.2	70.0	70.0	69.5	71.1	75.4	68.8
„ 2,	69.4	68.5	68.9	67.1	67.4	66.6	67.4	67.6	66.8	67.0	68.0	68.6	68.2	68.0	67.2	66.0	66.5	66.5	66.3	66.0	66.6	67.1	67.0	67.0	67.3	70.0	65·5
„ 3,	67.0	67.3	67.3	67.1	66.9	67.7	67.8	67.9	68.4	70.0	71.6	72.7	73.0	73.9	72.9	71.6	70.6	69.2	69.5	71.3	70.3	69.7	68.7	68.5	69.6	74.1	66.1
„ 4,	68.5	68.1	68.2	68.1	68.3	68.0	68.0	69.5	70.3	71.6	72.6	72.9	72.5	73.4	72.7	72.2	71.8	70.9	70.8	71.0	70.2	71.2	72.0	71.5	70.6	74.2	67.3
„ 5,	71.7	71.1	70.5	70.5	70.8	69.6	70.0	70.2	70.4	72.6	73.7	74.7	77.2	76.7	75.2	72.7	72.2	71.6	71.7	71.6	71.7	71.8	71.7	71.6	72.1	77.6	68.9
„ 6,	71.7	71.8	72.1	72.1	71.8	70.8	71.8	72.9	74.8	76.5	78.0	80.0	79.0	79.1	79.0	76.1	72.6	72.4	72.4	72.4	72.5	72.3	72.1	71.8	74.0	82.1	70.1
„ 7,	72.2	72.0	71.9	71.7	71.6	71.8	71.7	72.4	74.8	76.9	78.0	79.0	80.1	78.9	76.0	75.2	73.9	73.6	73.3	73.2	72.7	72.3	72.6	73.1	74.1	81.4	69.5
„ 8,	73.0	72.5	72.0	71.5	71.3	71.5	71.5	70.8	73.0	74.6	76.4	77.2	77.8	77.0	76.0	75.6	73.6	72.0	70.8	69.6	69.2	69.1	68.6	67.9	72.6	79.4	67.0
„ 9,	67.5	67.4	67.1	66.9	66.3	66.0	66.4	67.3	71.3	71.6	73.9	74.6	74.9	75.0	74.9	74.0	73.9	72.5	72.6	72.4	71.4	70.7	69.7	69.0	70.7	76.5	65.1
„ 10,	68.7	68.7	68.4	67.6	67.1	67.0	66.0	67.5	68.6	70.6	69.6	67.3	68.4	68.1	65.7	66.3	66.4	65.3	64.5	65.2	65.5	65.7	66.2	66.5	67.1	70.7	63.9
„ 11,	66.8	66.2	67.3	66.3	66.1	66.5	67.0	67.8	71.8	73.7	75.8	78.3	78.0	76.5	77.0	74.4	72.8	71.2	70.6	70.1	70.1	69.8	70.0	69.6	71.0	80.4	65.6
„ 12,	69.5	68.6	68.5	68.9	68.8	68.6	68.9	70.0	73.1	74.4	76.4	76.6	78.0	77.7	77.0	75.2	73.0	72.5	71.5	70.6	70.4	69.5	71.2	72.2	72.1	79.2	67.1
„ 13,	71.1	71.2	71.2	71.1	70.9	71.4	72.0	72.2	73.3	73.7	74.4	75.4	74.9	77.3	77.8	76.8	74.1	73.2	72.4	71.7	71.6	70.8	69.8	71.5	72.9	79.1	69.8
„ 14,	70.7	70.2	70.6	70.8	70.9	70.7	71.2	73.5	75.6	78.0	78.0	79.0	81.0	81.1	76.8	75.6	75.0	74.6	74.6	74.2	73.9	75.4	75.7	75.6	74.7	81.1	69.0
„ 15,	74.4	73.7	72.2	71.6	71.1	70.5	69.1	74.5	76.2	78.0	79.2	81.0	81.9	82.8	81.8	80.9	79.0	76.7	75.0	73.6	73.8	73.2	72.3	72.4	75.6	82.8	69.1
„ 16,	71.5	71.3	71.0	69.2	69.9	70.2	71.0	72.2	74.1	75.6	77.3	78.8	79.0	78.1	77.3	75.5	75.8	75.0	74.7	73.5	72.0	70.9	70.8	70.7	73.6	79.1	69.2
„ 17,	70.2	69.1	69.1	68.1	68.0	67.5	68.6	70.3	72.5	73.6	74.1	76.0	75.8	76.2	75.2	75.0	74.1	73.5	73.1	72.2	71.4	70.5	70.5	70.0	71.9	76.7	67.2
„ 18,	69.6	65.5	70.0	70.2	69.9	69.3	69.8	71.9	74.2	74.9	76.0	75.8	78.0	76.8	77.0	75.0	74.4	73.2	72.4	71.7	71.4	70.3	69.9	69.8	72.4	78.2	68.0
„ 19,	69.7	69.6	70.0	69.6	69.8	69.1	69.2	72.0	73.1	74.0	74.0	74.4	74.0	74.3	72.9	72.2	71.2	70.3	70.0	69.8	68.9	69.5	69.3	69.3	71.1	75.4	66.9
„ 20,	69.9	69.8	69.8	69.2	68.4	68.9	68.7	72.0	74.2	77.6	77.8	79.0	79.2	79.4	78.9	76.1	74.0	72.6	71.6	70.5	70.1	69.6	69.7	71.2	72.8	81.0	66.9
„ 21,	72.5	72.7	72.9	71.5	70.4	70.3	69.5	69.6	69.8	72.0	74.2	74.8	74.6	75.1	74.5	72.9	70.2	67.4	65.1	63.8	62.2	60.1	60.2	59.9	69.4	77.0	59.0
„ 22,	58.9	58.5	57.8	56.9	57.3	56.4	56.0	57.6	57.8	59.8	61.2	62.0	62.9	63.2	63.0	63.4	61.3	60.0	59.4	58.6	56.9	55.8	55.8	54.7	59.0	64.9	54.7
„ 23,	53.6	52.6	52.6	52.3	52.3	52.2	52.7	55.4	58.0	60.0	61.0	63.0	62.8	63.2	63.0	64.3	63.2	60.6	60.5	60.4	61.4	62.0	61.4	62.8	58.8	65.0	50.6
„ 24,	63.0	62.4	62.7	62.3	62.1	62.1	62.1	63.9	65.6	66.9	67.7	68.1	68.5	68.6	67.7	67.2	67.0	66.3	65.9	65.4	64.4	65.6	65.8	65.8	65.3	70.0	60.6
„ 25,	66.5	66.6	66.5	66.1	66.0	65.6	66.0	67.6	69.0	71.6	73.0	73.0	72.7	73.5	72.6	72.0	70.4	68.4	67.4	66.8	66.0	66.8	66.0	66.8	68.6	75.9	64.4
„ 26,	66.2	65.1	64.0	62.7	61.8	61.0	61.6	63.9	65.4	67.2	67.0	69.1	68.5	69.0	68.0	67.1	66.4	64.8	65.2	64.5	64.6	62.8	61.1	60.4	64.9	69.8	60.1
„ 27,	60.4	60.4	60.6	60.6	59.4	57.8	58.4	60.4	63.0	64.0	65.1	67.5	67.1	68.1	68.9	67.9	65.8	65.6	65.6	65.3	63.9	62.5	61.9	61.3	63.4	69.0	56.3
„ 28,	60.3	59.2	58.4	58.1	57.1	55.4	56.3	59.5	61.0	62.1	63.6	64.0	63.1	64.0	64.2	64.0	63.3	63.3	63.8	63.9	63.8	64.0	64.1	63.6	61.7	64.8	54.3
„ 29,	63.5	63.0	62.5	62.3	61.4	60.3	60.0	63.3	65.2	66.7	66.8	67.0	68.0	68.8	68.3	67.0	65.6	65.3	65.2	65.3	65.2	65.1	65.2	65.0	64.8	70.1	59.4
„ 30,	65.3	64.8	64.1	64.5	64.1	64.0	63.0	66.7	70.1	72.0	72.1	73.1	74.4	73.0	73.7	70.8	69.8	68.5	67.1	67.5	67.1	67.0	65.9	66.7	68.1	76.1	62.3
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,	67.8	67.3	67.3	66.8	66.6	66.2	66.4	68.0	69.8	71.3	72.3	73.2	73.6	73.7	73.0	71.9	70.6	69.5	69.1	68.7	68.3	68.0	67.8	67.9	69.4	75.2	64.4

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF NOVEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
Nov. 1, ...	65.3	64.8	64.7	64.2	64.0	63.8	63.3	63.9	64.7	64.3	64.7	64.8	65.0	65.5	64.8	65.3	65.5	65.0	64.0	64.0	63.7	63.8	63.8	63.7	64.4	108.2
" 2, ...	63.6	63.3	63.2	63.4	62.6	62.7	62.6	63.4	63.7	64.0	64.9	65.7	65.5	65.8	65.3	64.4	64.8	64.5	64.2	63.6	63.7	63.6	63.4	63.6	64.0	95.1
" 3, ...	63.1	63.4	63.5	63.3	63.2	63.4	63.1	64.0	64.4	65.1	66.4	67.1	67.0	68.1	67.0	66.7	66.7	66.3	66.7	67.4	66.6	66.8	66.5	66.5	65.5	107.4
" 4, ...	66.8	67.0	67.4	66.9	66.7	66.5	66.7	67.1	67.4	67.7	68.2	67.9	67.5	68.1	67.8	68.0	67.9	68.0	68.3	68.6	68.3	68.7	68.2	68.6	67.7	108.7
" 5, ...	68.6	68.5	68.4	68.5	68.2	67.9	67.3	67.2	67.1	68.3	69.1	69.3	71.0	70.9	70.2	69.0	68.8	68.6	68.2	68.0	68.4	68.4	68.2	67.7	68.6	135.6
" 6, ...	67.9	67.8	66.9	67.2	67.5	67.6	66.3	67.0	67.1	68.0	69.5	70.0	68.7	69.1	69.4	69.7	69.0	69.0	69.0	68.8	68.7	68.5	68.5	68.0	68.3	139.1
" 7, ...	68.6	68.6	68.8	68.3	66.3	65.8	65.7	66.0	67.0	67.8	68.0	68.8	69.0	69.9	68.8	68.2	68.0	68.4	68.4	68.5	68.5	68 8	66.5	65.0	67.8	133.2
" 8, ...	64.8	64.3	63.8	63.2	63.0	63.1	62.7	62.8	63.0	63.8	64.8	65.0	64.7	64.5	63.8	63.3	62.5	61.7	60.8	60.1	59.8	59.3	59.0	58.1	62.6	138.8
" 9, ...	57.7	56.9	56.2	56.0	55.0	55.0	55.7	56.1	58.7	58.6	60.0	60.0	60.0	60.9	60.0	59.0	58.8	58.2	57.0	56.5	56.5	56.2	55.9	55.5	57.5	138.3
" 10, ...	55.3	55.5	55.7	55.5	54.7	54.7	54.9	55.6	56.1	57.0	56.9	57.4	58.6	58.9	61.9	59.0	59.0	59.3	61.5	62.4	63.0	63.0	62.8	63.0	58.4	96.3
" 11, ...	63.0	63.0	63.3	62.8	62.6	61.6	58.1	58.0	60.3	61.0	61.2	62.7	64.5	65.0	63.7	63.6	63.9	64.8	65.4	65.7	66.4	66.6	67.0	67.0	63.4	137.9
" 12, ...	66.4	65.8	65.2	60.8	59.0	59.4	59.0	60.0	61.9	62.0	63.9	64.7	65.1	66.8	66.0	66.2	66.0	65.8	65.4	65.0	64.9	63.2	62.0	62.4	63.6	132.3
" 13, ...	62.9	64.2	64.7	63.8	63.4	64.3	63.7	63.6	64.5	64.2	64.1	66.2	66.0	67.1	67.0	67.0	66.0	66.5	66.8	66.7	67.9	67.0	66.8	65.8	65.4	136.0
" 14, ...	65.4	65.8	64.9	63.5	64.0	64.4	63.0	65.2	65.2	66.3	67.2	68.7	68.0	69.0	69.2	68.2	68.4	67.9	67.8	67.7	67.1	65.8	64.8	64.5	66.3	135.3
" 15, ...	64.1	64.7	63.8	63.3	62.7	63.2	63.0	65.2	65.0	66.0	66.9	67.2	67.5	69.0	68.3	68.1	67.0	66.3	69.0	65.4	64.7	64.8	64.4	64.4	65.6	137.9
" 16, ...	64.5	64.7	64.7	65.4	65.0	65.0	64.7	66.1	65.5	66.1	67.3	67.8	68.5	68.2	68.0	68.0	67.6	67.3	67.4	67.4	66.7	66.0	65.7	64.9	66.4	140.5
" 17, ...	65.1	64.7	64.4	64.1	63.6	63.6	63.8	64.3	64.3	64.6	65.0	65.5	66.0	66.1	65.1	65.0	65.4	65.5	64.6	64.5	64.5	64.0	63.9	63.0	64.6	141.0
" 18, ...	63.5	63.2	62.8	62.5	62.1	61.5	61.3	62.9	64.3	64.8	64.8	65.3	66.0	65.0	65.2	64.2	64.6	64.2	65.9	64.8	64.8	64.8	64.5	64.6	64.1	137.8
" 19, ...	65.2	66.0	66.5	65.8	66.0	64.9	64.1	65.5	65.4	66.0	66.5	66.2	67.0	67.8	67.7	66.8	67.6	67.3	66.5	67.0	66.3	66.7	66.0	66.5	66.3	133.7
" 20, ...	66.9	66.8	66.8	66.7	66.1	66.1	67.0	66.8	66.8	66.4	68.0	66.3	65.0	64.9	66.8	68.0	67.7	67.6	67.6	67.7	67.2	67.4	67.6	65.1	66.8	133.4
" 21, ...	61.5	60.7	60.4	59.9	60.3	59.7	59.0	59.1	59.0	59.0	60.5	60.0	59.1	60.1	59.4	59.7	59.0	56.9	55.0	54.0	52.8	51.9	51.1	50.8	57.9	131.7
" 22, ...	50.7	50.2	49.2	48.7	48.6	48.2	47.2	47.1	48.2	48.8	49.3	50.2	50.5	50.1	50.4	51.0	49.6	49.2	48.7	48.2	47.2	46.7	46.2	44.6	48.7	120.9
" 23, ...	45.2	44.8	44.8	45.8	45.6	45.7	46.0	47.0	49.0	50.0	50.9	51.8	52.5	52.9	53.0	53.0	53.1	52.1	51.4	51.5	51.6	53.2	54.3	54.8	50.0	119.1
" 24, ...	55.2	54.2	54.9	54 9	54.2	54.8	54.3	54.4	56.4	57.0	57.3	58.1	57.6	58.0	58.3	58.0	57.1	58.2	58.9	58.6	59.7	59.8	60.8	61.7	57.2	122.7
" 25, ...	61.8	61.4	61.3	61.1	61.0	60.6	60.0	60.6	61.0	62.0	63.8	62.4	62.7	61.1	63.7	63.7	62.7	62.4	62.2	62.0	62.1	61.2	57.5	55.0	61.4	138.3
" 26, ...	53.8	51.3	51.2	51.6	51.4	50.6	49.9	51.7	52.4	53.8	53.3	54.0	53.4	53.8	53.1	53.0	53.0	52.8	51.2	50.6	49.2	48.5	48.3	47.4	51.6	123.6
" 27, ...	47.2	47.2	47.4	47.6	47.3	46.8	46.5	47.0	48.0	48.0	48.4	50.0	48.0	49.2	49.2	48.2	52.0	51.1	48.3	48.3	47.7	47.6	47.4	46.7	48.1	123.1
" 28, ...	46.5	46.1	46.0	45.5	45.0	44.9	46.2	46.7	48.0	49.0	49.6	51.0	50.2	51.5	51.8	53.0	53.5	55.5	57.0	56.8	56.8	57.2	57.0	56.6	50.9	118.7
" 29, ...	56.6	56.5	56.4	55.9	55.1	54.8	53.8	55.7	55.8	56.8	56.2	57.0	57.0	58.3	58.3	58.0	57.8	58.2	58.1	58.3	59.2	60.0	60.3	61.2	57.3	123.4
" 30, ...	61.1	60.5	58.9	58.4	58.6	58.3	58.0	57.4	58.1	58.5	60.2	60.2	61.5	61.1	61.4	60.6	60.0	62.5	62.7	62.2	62.0	62.6	61.6	61.4	60.3	127.8
.....	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	...	...	...
Means, ...	60.9	60.7	60.5	60.2	59.8	59.6	59.2	59.9	60.6	61.2	61.9	62.4	62.4	62.9	62.8	62.5	62.4	62.4	62.3	62.0	61.9	61.7	61.3	60.9	61.4	127.2

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF NOVEMBER, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	65	0.455	Nov. 1,.....	67	0.517
2 „	67	.455	„ 2,.....	83	.554
3 „	65	.449	„ 3,.....	80	.574
4 „	66	.446	„ 4,.....	86	.641
5 „	65	.436	„ 5,.....	83	.653
6 „	66	.435	„ 6,.....	73	.617
7 „	63	.420	„ 7,.....	71	.597
8 „	60	.421	„ 8,.....	55	.436
9 „	56	.418	„ 9,.....	40	.300
10 „	53	.418	„ 10,.....	56	.375
11 „	52	.428	„ 11,.....	64	.484
Noon.	51	.432	„ 12,.....	60	.476
1 p.	50	.427	„ 13,.....	65	.527
2 „	52	.442	„ 14,.....	61	.535
3 „	54	.448	„ 15,.....	56	.498
4 „	56	.453	„ 16,.....	66	.553
5 „	60	.467	„ 17,.....	66	.512
6 „	65	.482	„ 18,.....	61	.489
7 „	66	.483	„ 19,.....	77	.583
8 „	66	.479	„ 20,.....	72	.578
9 „	67	.481	„ 21,.....	46	.329
10 „	68	.478	„ 22,.....	42	.209
11 „	67	.468	„ 23,.....	49	.246
Midt.	65	.454	„ 24,.....	58	.362
			„ 25,.....	64	.450
			„ 26,.....	34	.208
			„ 27,.....	23	.136
			„ 28,.....	42	.231
			„ 29,.....	60	.372
			„ 30,.....	61	.421
Means,.....	61	0.449	Means.	61	0.449

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
Nov. 1,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 2,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 3,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 4,.....	...	...	...	0.1	...	0.1	...	...	...	...	...	...	...	0.2
„ 5,.....	...	...	...	...	...	0.2	1.0	1.0	1.0	1.0	0.7	0.6	...	5.5
„ 6,.....	...	0.1	0.1	0.6	1.0	1.0	1.0	1.0	1.0	0.9	0.6	0.4	...	7.7
„ 7,.....	...	0.3	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.6	...	...	8.6
„ 8,.....	...	...	...	...	0.3	0.9	1.0	0.9	0.1	0.1	...	...	...	3.3
„ 9,.....	...	0.1	0.5	0.8	0.6	0.8	1.0	0.9	0.7	0.6	0.1	...	...	6.1
„ 10,.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
„ 11,.....	...	...	...	0.1	1.0	1.0	1.0	1.0	0.7	0.9	0.8	...	...	6.5
„ 12,.....	...	...	...	...	...	0.3	0.2	0.9	0.2	0.2	0.2	...	...	2.0
„ 13,.....	...	...	...	...	...	...	...	...	0.4	1.0	1.0	0.5	...	2.9
„ 14,.....	...	...	0.1	...	0.6	1.0	1.0	0.6	0.3	0.1	...	...	...	3.7
„ 15,.....	...	...	0.6	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0.1	...	7.8
„ 16,.....	...	...	...	...	0.9	0.7	1.0	1.0	0.9	0.6	0.1	...	...	5.2
„ 17,.....	...	...	0.2	0.7	0.5	1.0	1.0	0.8	0.3	...	...	...	...	4.5
„ 18,.....	...	0.4	1.0	1.0	1.0	1.0	0.9	1.0	0.9	0.7	0.1	...	...	8.0
„ 19,.....	...	0.1	0.6	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.4	...	8.9
„ 20,.....	...	...	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	...	9.3
„ 21,.....	...	...	...	0.2	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.3	...	7.3
„ 22,.....	...	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	...	9.8
„ 23,.....	...	0.2	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.2
„ 24,.....	...	...	...	0.2	0.5	...	0.1	...	...	0.1	0.2	...	...	1.1
„ 25,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.5
„ 26,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.1	...	9.3
„ 27,.....	...	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.6
„ 28,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	...	9.1
„ 29,.....	...	0.2	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.2
„ 30,.....	...	0.1	0.7	1.0	1.0	1.0	1.0	1.0	0.6	0.3	0.1	...	...	6.8
													...	
Sums,.....	...	2.9	12.0	15.5	19.3	20.9	22.2	21.9	19.1	18.3	14.6	4.4	...	171.1

TABLE VI.

RAINFALL FOR THE MONTH OF NOVEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
Nov. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 2,	...	...	...	0.015	...	...	...	0.005	0.135	0.035	0.035	0.005	...	0.010	0.170	0.260	0.015	...	0.005	...	...	...	...	...	0.690	12
" 3,	...	...	0.005	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	...	...	0.015	0.010	0.005	0.040	5
" 4,	0.005	...	...	...	0.005	...	0.010	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.020	6
" 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.010	0.030	...	...	...	...	...	0.040	3
" 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	0.005	...	0.005	0.015	0.005	...	0.010	0.005	0.135	0.035	0.035	0.005	..	0.010	0.170	0.260	0.015	0.010	0.040	...	...	0.015	0.010	0.005	0.790	26

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF NOVEMBER, 1898.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Nov. 1	1	18	1	19	1	16	1	13	32	14	32	10	32	24	32	26	32	18	32	18	32	20	32	19	32	20	2	16	2	12	5	17	6	18	5	13	2	21	2	20	1	23	1	25	1	20	1	19	439	18.3	1
„ 2	2	18	1	15	1	20	1	11	32	15	1	14	1	14	1	16	32	11	20	2	22	3	29	6	32	12	1	8	1	6	32	16	32	12	32	14	32	23	32	25	32	20	32	23	32	27	32	22	353	14.7	32
„ 3	32	21	32	19	32	18	32	20	32	22	32	22	32	22	32	17	32	12	32	12	1	11	32	9	32	10	1	8	6	11	32	5	1	8	1	9	1	8	6	14	7	19	6	16	6	16	6	17	346	14.4	2
„ 4	6	16	6	20	6	19	5	18	4	18	5	15	5	12	5	16	5	18	4	19	5	21	5	20	4	12	5	16	4	11	5	11	4	10	5	14	4	14	5	10	4	11	6	17	7	26	6	25	389	16.2	5
„ 5	6	16	7	19	7	20	7	13	4	11	2	7	3	7	32	5	2	2	10	5	9	9	10	9	10	8	10	9	9	15	8	18	9	18	8	20	7	22	7	24	7	22	7	24	7	26	7	31	360	15.0	7
„ 6	7	29	7	27	5	20	5	14	4	6	32	7	32	12	1	10	32	10	6	11	4	13	32	13	32	13	5	10	7	14	9	20	9	19	8	15	8	15	7	18	7	18	7	25	7	24	7	22	385	16.0	6
„ 7	7	16	7	14	8	5	8	3	32	10	32	12	32	12	32	16	32	12	32	10	5	13	7	6	3	12	8	15	9	14	9	18	8	18	8	15	6	16	5	11	6	10	7	7	2	7	1	19	291	12.1	5
„ 8	1	25	1	26	1	26	1	28	1	20	1	20	2	21	1	19	31	16	32	21	32	25	31	22	31	26	32	20	32	15	32	18	32	14	32	25	32	22	32	30	32	28	1	27	1	20	1	17	531	22.1	32
„ 9	1	15	1	18	1	25	1	28	1	28	32	33	32	31	32	29	32	28	32	20	32	18	32	18	32	17	32	16	32	16	32	12	32	14	32	13	32	16	1	15	32	13	32	15	32	20	32	23	481	20.0	32
„ 10	32	21	32	14	32	8	1	9	32	11	2	7	32	11	32	13	32	11	2	5	4	9	7	13	4	12	32	10	8	12	1	9	7	9	8	15	9	16	8	13	8	11	7	10	6	11	6	12	272	11.3	4
„ 11	4	6	3	7	4	8	4	3	1	3	1	5	1	5	32	10	32	10	5	9	32	16	32	8	13	7	8	10	8	8	9	9	9	13	8	14	7	16	8	13	8	12	5	5	5	7	5	5	209	8.7	5
„ 12	5	4	...	1	2	7	1	5	32	12	32	6	32	10	1	9	32	8	32	11	32	6	24	6	16	2	17	5	23	8	23	6	23	6	23	3	23	2	15	4	...	1	11	4	3	3	2	4	133	5.5	31
„ 13	22	4	14	3	15	3	13	4	16	4	13	3	15	4	11	5	22	2	22	5	24	6	24	8	26	11	21	9	23	12	22	9	22	8	23	6	23	2	23	2	23	2	19	2	18	2	22	5	121	5.0	21
„ 14	22	2	14	6	14	4	18	4	18	3	18	3	23	3	17	5	17	3	31	9	25	8	23	9	32	7	31	7	24	10	23	9	23	7	23	8	22	4	...	1	...	1	1	11	2	10	2	16	150	6.2	26
„ 15	32	22	7	8	30	7	32	11	32	4	26	4	26	2	14	3	32	8	31	12	31	15	31	13	32	14	32	10	31	13	1	13	1	14	32	16	5	7	22	4	2	8	2	4	32	7	31	4	223	9.3	32
„ 16	29	4	30	3	...	1	...	1	...	1	...	0	31	5	...	1	32	10	31	7	31	12	1	9	1	6	30	5	26	3	28	6	32	9	32	5	32	6	7	4	31	8	1	4	1	5	1	4	119	5.0	32
„ 17	1	8	1	2	1	6	1	3	1	3	1	2	1	5	1	6	31	6	21	5	29	8	22	4	22	7	31	5	31	9	31	8	32	4	30	10	30	13	32	12	32	11	31	4	16	3	21	3	147	6.1	31
„ 18	14	2	3	5	1	10	1	14	32	17	1	13	32	20	32	23	32	19	32	14	32	8	3	6	18	6	15	4	3	6	1	10	1	7	2	5	6	3	6	3	6	5	...	0	6	3	6	9	212	8.8	1
„ 19	6	7	6	6	6	8	5	5	6	3	...	1	...	0	4	10	5	12	7	15	8	20	8	21	8	19	9	18	9	20	8	17	9	15	9	12	8	7	9	5	11	4	11	3	...	1	...	1	230	9.6	8
„ 20	6	5	9	6	10	8	10	4	10	2	...	0	...	0	...	1	31	7	32	16	27	8	1	14	32	16	32	9	7	4	25	8	25	7	26	2	25	2	26	3	...	0	...	0	17	2	5	3	127	5.3	32
„ 21	3	8	1	8	2	13	27	5	11	6	2	16	1	22	1	28	31	30	31	22	12	13	31	18	31	20	31	19	32	15	32	11	31	11	6	9	6	10	2	8	1	12	30	11	30	13	27	11	339	14.1	32
„ 22	27	12	23	8	30	13	22	10	1	10	1	8	30	12	3	13	32	17	31	19	2	28	32	24	1	23	1	19	1	19	32	15	32	14	1	8	2	10	32	21	1	25	1	18	1	16	1	19	381	15.9	32
„ 23	1	10	32	11	31	9	27	2	1	11	32	12	32	10	1	7	3	7	5	11	7	17	7	12	9	10	9	15	10	11	11	8	4	6	3	5	3	8	4	7	3	9	4	11	26	5	3	14	228	9.5	4
„ 24	3	12	1	11	4	21	6	13	1	9	4	4	1	3	4	11	6	18	3	15	7	17	7	17	6	12	8	13	10	14	8	13	7	13	7	8	7	7	6	3	6	3	7	7	7	10	7	14	268	11.2	6
„ 25	7	18	6	16	5	18	3	10	4	10	5	8	5	9	6	10	7	8	10	5	10	7	10	5	9	13	9	9	26	6	23	7	23	4	...	1	...	1	...	0	19	2	8	6	2	11	2	16	200	8.3	6
„ 26	2	23	2	32	2	18	8	6	18	8	30	11	1	12	1	16	1	16	32	11	32	15	1	15	32	16	32	15	1	12	1	12	2	8	2	7	1	9	1	18	1	23	1	27	1	29	1	24	383	16.0	1
„ 27	1	25	1	18	1	25	2	21	1	17	32	19	32	17	32	20	1	20	32	23	32	26	32	18	32	13	32	20	1	16	3	11	11	8	3	6	3	13	32	14	1	18	32	20	32	21	32	22	431	18.0	1
„ 28	32	20	32	16	32	15	32	14	32	14	31	10	32	4	4	8	4	15	3	17	6	20	7	22	8	20	9	20	9	18	6	16	6	17	5	19	7	21	7	20	7	22	7	26	6	25	5	21	420	17.5	5
„ 29	5	19	5	17	4	14	4	16	5	11	3	11	3	8	7	15	4	10	6	11	8	13	10	15	9	10	9	9	11	8	16	8	16	8	14	9	16	8	13	7	12	7	15	8	18	8	18	8	328	13.7	7
„ 30	7	14	7	11	30	4	23	3	21	3	18	2	15	2	15	3	10	2	10	2	24	7	24	7	23	5	24	9	27	2	27	5	27	5	27	4	27	3	...	1	...	1	...	1	...	1	...	1	98	4.1	26
.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums	...	420	...	386	...	389	...	311	...	306	...	285	...	319	...	371	...	366	...	362	...	412	...	386	...	379	...	358	...	343	...	353	...	332	...	315	...	333	...	336	...	354	...	368	...	389	...	421	8594	358.1	...
Means	...	14.0	...	12.9	...	13.0	...	10.4	...	10.2	...	9.5	...	10.6	...	12.4	...	12.2	...	12.1	...	13.7	...	12.9	...	12.6	...	11.9	...	11.4	...	11.8	...	11.1	...	10.5	...	11.1	...	11.2	...	11.8	...	12.3	...	13.0	...	14.0	286.5	11.9	...

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
Nov. 1, ...	10	str-cum.	NE	10	cum.	NE	7	sm-cum. / cum.	NE	10	cum.	NE
„ 2, ...	10	cum.	NE	10	nim.	...	10	str. / cum.	NE	10	nim.	NE
„ 3, ...	9	cum.	E	10	str-cum.	E	10	cum-nim.	ENE	10	cum-nim.	ENE
„ 4, ...	10	nim.	...	10	nim.	...	10	nim.	ENE	9	sm-cum. / cum.	ENE
„ 5, ...	10	cum-nim.	ENE	10	cum-nim.	ENE	10	cum-nim.	ENE	9	str-cum.	ENE
„ 6, ...	9	cum.	E	9	cum.	E	8	c-cum. / sm-cum. / cum.	ENE	5	c-cum / cum.	ENE
„ 7, ...	9	cum.	ENE	10	cum.	NE	7	c-str. / cum.	S / ENE	1	sm-cum. / cum.	S / ENE
„ 8, ...	8	sm-cum.	NE	8	cum.	NE	8	sm-cum.	...	6	sm-cum.	...
„ 9, ...	5	cum.	...	0	...	...	3	c-cum. / sm-cum.	...	6	sm-cum.	ESE
„ 10, ...	8	c-str.	ENE	6	sm-cum.	E	8	sm-cum.	...	10	str-cum.	E
„ 11, ...	10	str-cum.	...	10	str-cum.	...	9	sm-cum.	...	3	sm-cum.	WSW
„ 12, ...	9	cum.	NE	10	str-cum.	WSW	10	sm-cum.	WSW	10	sm-cum.	WSW
„ 13, ...	9	str-cum.	...	10	str-cum.	...	10	cum.	NNE	10	str-cum.	NE
„ 14, ...	0	...	...	0	...	...	4	c-str.	S	10	c-str.	...
„ 15, ...	0	...	...	1	cum.	E	9	c-cum.	...	6	c-cum.	...
„ 16, ...	4	c-str.	...	1	cum.	...	10	str-cum.	...	8	c-cum. / cum.	E / NNW
„ 17, ...	9	c-str.	...	9	c-cum. / cum.	NNW	7	sm-cum.	N	6	sm-cum. / cum.	N
„ 18, ...	10	str-cum.	...	9	cum.	N	1	cum.	...	0	...	...
„ 19, ...	0	...	...	3	cum.	E	3	c-cum. / cum.	ENE	3	c-cum. / cum.	E
„ 20, ...	0	...	...	0	...	...	4	c-str. / cum.	NNE	2	c-str.	...
„ 21, ...	5	c-str.	ENE	0	...	...	8	c-cum.	...	8	c-cum.	...
„ 22, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 23, ...	0	...	...	0	...	...	1	cum.	E	0	...	...
„ 24, ...	10	cum.	...	10	str-cum.	...	9	cum.	SSW	10	sm-cum.	WSW
„ 25, ...	9	cum.	E	9	sm-cum. / cum.	E	1	sm-cum. / cum.	ENE	0	...	...
„ 26, ...	0	...	...	0	...	...	1	sm-cum.	...	0	...	...
„ 27, ...	0	...	...	1	sm-cum.	W	3	sm-cum.	W	2	sm-cum.	W
„ 28, ...	0	...	...	0	...	...	1	sm-cum.	...	0	...	...
„ 29, ...	9	sm-cum. / cum.	W / ..	8	sm-cum. / cum.	NNW	1	sm-cum.	WSW	1	cum.	...
„ 30, ...	0	...	...	1	sm-cum.	SW	3	sm-cum.	SSW	2	sm-cum.	S
.....	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	5.7	...	...	5.5	...	...	5.9	...	...	5.2	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
Nov. 1,...	9	sm-cum. / cum.	NE	10	str. / cum.	NE	10	str-cum.	NE	10	R-cum.	NE	9.5
„ 2,...	10	nim.	NNE	10	nim.	...	10	nim.	...	10	str. / cum.	NE	10.0
„ 3,...	10	sm-cum. / cum.	ENE	10	str-cum.	...	10	str-cum.	...	10	nim.	...	9.9
„ 4,...	9	cum.	ENE	10	str-cum.	ENE	10	nim.	ENE	10	cum-nim.	...	9.8
„ 5,...	2	c-cum. / cum.	ENE	9	c-cum. / cum.	E / ..	6	c-cum. / cum.	...	7	c-cum. / cum.	...	7.9
„ 6,...	1	cum.	ENE	8	sm-cum. / cum.	ENE	7	cum.	ENE	8	cum.	...	6.9
„ 7,...	3	sm-cum. / cum.	ENE	8	sm-cum. / cum.	ENE / NE	8	cum.	ENE	2	cum.	...	6.0
„ 8,...	6	sm-cum.	ESE	9	sm-cum.	ESE	4	sm-cum.	...	6	sm-cum.	...	6.9
„ 9,...	6	c-cum. / sm-cum.	S	9	c-cum. / cum.	SSW	6	c-cum.	...	4	c-cum.	...	4.9
„ 10,...	10	str.	...	10	nim.	...	10	nim.	...	10	str-cum.	...	9.0
„ 11,...	6	sm-cum.	...	9	c-cum. / sm-cum.	SW	7	str-cum.	...	9	str. / cum.	E	7.9
„ 12,...	9	sm-cum.	SW	9	sm-cum.	WSW	0	...	...	3	c-cum.	...	7.5
„ 13,...	10	c-cum. / cum.	NE	9	c-cum. / cum.	NE	0	...	...	0	...	...	7.2
„ 14,...	10	c-str.	...	10	c-str. / c-cum.	SSE	7	c-str.	...	0	...	...	5.1
„ 15,...	4	c-cum.	...	7	c-cum. / cum.	NNE	7	c-cum.	...	7	c-str.	...	5.1
„ 16,...	6	c-cum. / sm-cum. / cum.	N	8	c-cum. / cum.	NNE	8	str-cum.	...	3	c-cum.	...	6.0
„ 17,...	7	cum.	NNW	10	str-cum.	NNW	10	str-cum.	...	10	str-cum.	...	8.5
„ 18,...	2	cum.	...	9	sm-cum. / cum.	NNE	0	...	...	0	...	...	3.9
„ 19,...	6	sm-cum. / cum.	SSW / ..	0	...	...	0	...	...	0	...	...	1.9
„ 20,...	1	c-cum.	...	7	c-cum.	SW	4	c-cum.	...	7	c-cum.	...	3.1
„ 21,...	8	c-str.	SSW	6	c-cum.	SSE	4	c-cum. / cum.	NNE	0	...	...	4.9
„ 22,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 23,...	0	...	...	0	...	...	0	...	...	10	sm-cum.	S	1.4
„ 24,...	10	sm-cum.	WSW	10	sm-cum.	SW	3	sm-cum.	SSW	0	...	...	7.8
„ 25,...	0	...	...	0	...	...	0	...	...	0	...	...	2.4
„ 26,...	0	...	...	2	c-cum.	W	9	sm-cum.	W	0	...	...	1.5
„ 27,...	0	...	...	0	...	...	0	...	...	0	...	...	0.7
„ 28,...	2	sm-cum.	W	3	sm-cum.	W	8	cum.	E	7	cum.	ESE	2.6
„ 29,...	3	c-cum. / cum.	...	0	...	...	9	sm-cum.	SW	8	sm-cum.	SW	4.9
„ 30,...	8	sm-cum.	ESE	9	sm-cum.	SW	7	sm-cum.	...	6	sm-cum. / cum.	SW	4.5
.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Means,...	5.3	...	...	6.7	...	...	5.5	...	...	4.9	...	...	5.6

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF NOVEMBER, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	10.0	6.3	0.2	0.6	+ 9.8	+ 5.7	N 30° E
2 „	8.7	6.1	0.4	0.3	8.3	5.8	N 35° E
3 „	10.0	5.4	0.3	0.4	9.7	5.0	N 27° E
4 „	7.6	4.0	0.5	0.7	7.1	3.3	N 25° E
5 „	8.6	2.4	0.7	0.2	7.9	2.2	N 15° E
6 „	8.5	1.8	0.2	0.4	8.3	1.4	N 10° E
7 „	9.8	1.5	0.2	0.4	9.6	1.2	N 7° E
8 „	10.6	3.1	0.5	0.0	10.1	3.0	N 17° E
9 „	10.7	2.7	0.2	0.5	10.5	2.3	N 12° E
10 „	9.7	3.2	0.4	0.8	9.3	2.4	N 14° E
11 „	8.6	5.5	0.5	1.3	8.1	4.2	N 27° E
Noon.	7.8	4.9	0.5	1.6	7.3	3.3	N 24° E
1 p.	8.3	4.1	0.9	1.1	7.3	3.0	N 22° E
2 „	6.7	5.1	1.1	0.8	5.6	4.3	N 37° E
3 „	5.2	5.8	1.0	1.5	4.3	4.3	N 45° E
4 „	5.6	5.7	0.7	1.6	4.9	4.1	N 40° E
5 „	4.9	6.0	0.8	1.2	4.1	4.8	N 49° E
6 „	5.1	5.8	0.2	0.9	4.9	5.0	N 45° E
7 „	6.0	6.3	0.3	0.6	5.8	5.8	N 45° E
8 „	6.6	5.7	0.2	0.3	6.4	5.4	N 40° E
9 „	7.6	5.7	0.1	0.2	7.5	5.5	N 37° E
10 „	7.7	6.4	0.2	0.2	7.5	6.2	N 39° E
11 „	8.2	6.4	0.2	0.4	8.0	6.0	N 37° E
Midt.	9.3	6.9	0.1	0.6	+ 9.2	+ 6.4	N 35° E
Means, ...	8.0	4.9	0.4	0.7	+ 7.56	+ 4.19	N 29° E

PHENOMENA :—

Solar halo :—on the 14th, 15th and 21st.

Lunar corona :—on the 24th.

Thick fog :—on the 25th.

Fog :—on the 21st.

Slight fog :—on the 5th.

Haze :—on the 14th.

Dew :—on the 12th and 19th.

TABLE I.

BAROMETRIC PRESSURE FOR THE MONTH OF DECEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.
Dec. 1,...	29.985	29.972	29.956	29.949	29.950	29.967	29.980	29.998	30.009	30.004	29.983	29.957	29.927	29.910	29.895	29.897	29.910	29.928	29.940	29.952	29.944	29.947	29.947	29.956	29.953
„ 2,...	.958	.951	.947	.944	.948	.957	.972	.982	29.994	29.986	.962	.936	.900	.886	.875	.882	.902	.913	.929	.942	.952	.967	.967	.963	.942
„ 3,...	.964	.960	.963	.959	.971	.977	30.010	30.027	30.040	30.036	30.015	.989	.973	.948	.944	.956	.972	.986	30.005	30.011	30.017	30.020	30.031	30.024	.992
„ 4,...	30.014	30.011	30.011	30.010	30.004	30.015	.028	.043	.056	.062	.036	30.006	.972	.963	.957	.970	.985	30.011	.035	.045	.054	.063	.061	.063	30.020
„ 5,...	.063	.060	.051	.039	.043	.058	.072	.089	.101	.099	.086	.055	30.011	.999	30.000	30.009	30.024	.048	.064	.079	.085	.092	.102	.111	.060
„ 6,...	.104	.101	.081	.070	.071	.090	.107	.119	.133	.132	.119	.088	.055	30.042	.036	.040	.061	.080	.095	.102	.118	.118	.118	.118	.092
„ 7,...	.111	.102	.092	.098	.105	.115	.132	.144	.145	.138	.118	.089	.061	.049	.039	.044	.053	.063	.073	.082	.097	.105	.103	.097	.094
„ 8,...	.096	.089	.092	.086	.087	.099	.111	.127	.140	.140	.114	.084	.051	.027	.017	.027	.032	.060	.082	.079	.090	.094	.111	.103	.085
„ 9,...	.087	.059	.054	.044	.054	.059	.064	.091	.106	.100	.084	.049	.015	29.994	29.993	29.996	.013	.044	.065	.069	.076	.076	.081	.083	.056
„ 10,...	.071	.056	.047	.046	.036	.046	.051	.061	.069	.060	.035	.008	29.969	.945	.938	.950	29.956	29.970	29.988	29.990	29.996	.005	.015	.010	.013
„ 11,...	.012	.001	.001	29.998	.007	.003	.021	.034	.042	.036	.013	29.978	.940	.916	.900	.917	.935	.955	.964	.979	.989	.005	.016	.012	29.986
„ 12,...	.000	29.981	29.973	.974	29.984	29.991	.005	.022	.034	.032	.004	.978	.940	.924	.916	.915	.938	.964	.985	30.010	30.024	.041	.044	.054	.989
„ 13,...	.051	30.027	30.006	30.012	30.023	30.033	.048	.059	.067	.067	.039	30.004	.970	.950	.944	.945	.959	.974	.992	.012	.023	.036	.039	.044	30.013
„ 14,...	.042	.053	.045	.046	.062	.084	.109	.118	.128	.126	.112	.087	30.062	30.053	30.049	30.067	30.071	30.084	30.097	.120	.137	.148	.163	.176	.093
„ 15,...	.174	.175	.172	.177	.183	.198	.213	.237	.253	.258	.228	.205	.174	.156	.147	.161	.173	.177	.190	.201	.207	.215	.210	.209	.196
„ 16,...	.214	.209	.200	.200	.209	.220	.236	.256	.275	.269	.249	.219	.184	.158	.137	.133	.142	.151	.163	.175	.173	.171	.174	.176	.196
„ 17,...	.173	.152	.143	.135	.137	.148	.154	.163	.171	.162	.132	.094	.061	.039	.024	.025	.031	.046	.059	.083	.087	.084	.086	.093	.103
„ 18,...	.081	.073	.069	.055	.057	.065	.076	.098	.113	.109	.084	.063	.031	.008	29.992	29.989	29.992	29.992	.003	.014	.035	.041	.047	.050	.047
„ 19,...	.044	.037	.029	.011	.029	.047	.070	.086	.101	.104	.085	.050	.015	.002	.995	30.003	30.019	30.021	.031	.042	.045	.050	.043	.034	.041
„ 20,...	.022	.003	29.990	29.990	29.996	.008	.023	.040	.058	.066	.043	.015	29.989	29.966	.961	29.961	29.970	29.986	.001	.012	.020	.032	.025	.020	.008
„ 21,...	.023	.016	30.006	30.000	30.006	.023	.033	.065	.083	.083	.069	.037	30.006	.994	.985	.997	30.011	30.029	.046	.072	.088	.101	.098	.094	.040
„ 22,...	.086	.073	.073	30.068	.080	.094	.124	.171	.198	.202	.187	.159	.135	30.120	30.118	30.124	.139	.157	.171	.193	.209	.218	.218	.218	.147
„ 23,...	.211	.203	.186	.182	.191	.202	.228	.245	.261	.265	.257	.222	.184	.158	.145	.142	.152	.154	.171	.180	.187	.195	.194	.191	.196
„ 24,...	.184	.176	.159	.154	.155	.155	.161	.169	.179	.184	.156	.129	.105	.078	.055	.066	.076	.081	.090	.101	.108	.109	.106	.112	.127
„ 25,...	.106	.097	.082	.069	.072	.074	.085	.105	.122	.120	.101	.073	.032	29.998	29.982	29.988	29.999	.012	.022	.033	.048	.050	.054	.049	.057
„ 26,...	.031	.023	.016	.016	.012	.024	.036	.042	.051	.053	.026	29.993	29.957	.938	.929	.936	.944	29.955	29.971	29.979	29.986	29.992	.001	.002	29.996
„ 27,...	.000	29.989	29.976	29.980	29.978	29.984	.003	.015	.040	.042	.030	30.011	.982	.959	.942	.943	.944	.943	.952	.970	.968	.970	29.976	29.986	.983
„ 28,...	29.990	.981	.979	.966	.972	.980	29.989	.011	.026	.027	.011	29.977	.950	.927	.907	.917	.927	.923	.937	.948	.964	.966	.964	.958	.967
„ 29,...	.957	.949	.936	.930	.944	.957	.970	29.993	.010	.019	29.997	.972	.938	.913	.907	.910	.919	.923	.931	.942	.950	.953	.956	.960	.952
„ 30,...	.962	.955	.954	.955	.949	.944	.966	.991	.007	.014	30.000	.969	.947	.932	.929	.925	.934	.949	.968	.986	.988	.991	.999	30.001	.967
„ 31,...	.993	.989	.984	.975	.982	.989	.993	30.019	.039	.037	.022	.985	.961	.946	.945	.954	.965	.967	.979	.999	30.007	30.008	30.014	.006	.990
Means,.....	30.058	30.049	30.041	30.037	30.042	30.052	30.067	30.085	30.098	30.098	30.077	30.048	30.016	29.997	29.987	29.993	30.005	30.018	30.032	30.045	30.054	30.060	30.063	30.064	30.045

TABLE II.

TEMPERATURE FOR THE MONTH OF DECEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Max.	Min.
Dec. 1,	67.2	67.4	67.2	66.4	66.2	66.2	66.8	68.9	71.4	72.0	74.1	77.1	76.2	75.2	75.5	75.4	74.0	70.6	70.9	69.8	67.8	66.5	65.0	64.9	70.1	79.7	63.4
„ 2,	63.6	63.1	61.9	61.3	60.3	59.6	59.0	60.8	61.9	63.6	65.2	67.4	67.4	68.0	68.0	67.0	65.9	63.4	62.6	61.6	59.8	58.9	57.6	57.1	62.7	69.7	56.3
„ 3,	56.1	55.2	54.6	54.4	54.3	54.0	55.0	56.7	59.8	63.9	63.1	63.8	64.8	64.9	64.2	63.0	62.5	62.0	60.8	60.6	58.8	58.1	59.8	60.4	59.6	66.2	52.3
„ 4,	59.4	59.0	58.9	61.0	58.4	57.8	57.6	60.4	61.5	64.3	64.9	65.7	65.7	66.1	65.7	65.1	64.6	62.3	62.2	60.8	59.6	59 9	59.8	60.2	61.7	66.1	54.8
„ 5,	59.7	60.2	61.8	61.9	61.1	61.9	58.8	62.8	63.0	64.7	66.2	68.0	69.0	69.6	68.0	67.7	66.6	63.8	63.7	62.6	63.0	62.8	61.7	61.7	63.8	70.6	57.3
„ 6,	61.2	61.4	61.1	59.8	59.7	59.7	58.9	61.8	63.9	66.6	66.4	66.7	67.2	67.0	66.5	66.5	65.1	63.8	62.4	61.0	61.1	60.7	59.1	58.7	62.8	67.2	58.1
„ 7,	57.2	57.0	57.3	57.9	56.2	57.1	57.7	61.9	64.6	65.5	66.7	65.8	65.6	65.0	64.1	63.8	62.7	62.1	61.6	60.3	60.4	61.2	61.3	62.2	61.5	67.1	55.6
„ 8,	62.1	62.2	62.0	61.5	60.8	58.4	57.8	62.6	62.8	65.2	66.0	66.3	67.4	66.3	65.8	63.8	63.2	62.6	62.6	62.9	62.8	62.7	62.4	62.0	63.0	67.4	57.3
„ 9,	61.9	60.9	61.0	60.7	61.3	60.9	60.4	61.7	62.7	63.0	64.2	64.4	64.6	64.4	63.4	63.0	62.4	62.0	62.0	62.2	62.3	62.3	62.3	62.3	62.3	64.8	58.2
„ 10,	62.4	62.4	62.4	62.3	61.9	62.1	62.8	63.6	66.5	67.7	67.6	67.3	67.9	67.3	66.5	65.2	64.0	63.5	63.3	63.2	63.7	63.6	64.1	64.0	64.4	68.6	60.8
„ 11,	64.4	63.8	63.8	63.8	63.6	63.9	63.3	64.2	65.9	67.0	69.0	70.7	70.3	70.3	69.8	67.3	65.3	64.5	64.3	64.4	64.2	63.8	63.6	62.8	65.6	71.1	62.3
„ 12,	64.1	63.1	63.2	62.2	62.1	61.3	62.8	65.2	67.7	70.0	71.4	72.6	70.5	72.0	71.9	71.0	69.6	68.5	67.3	64.4	62.8	61.3	60.0	58.0	66.0	72.6	57.4
„ 13,	58.0	56.8	57.2	56.9	56.1	55.8	56.0	56.7	58.0	58.7	60.0	61.5	62.1	63.8	64.1	62.4	61.3	60.0	59.6	59.6	58.8	58.5	57.4	57.1	59.0	65.5	54.8
„ 14,	56 2	56.5	56.0	55.6	55.4	54.8	54.8	55.2	58.9	58.6	61.0	61.9	63.4	63.5	63.4	63.0	62.4	60.1	59.1	58.8	58.2	57.2	55.4	55.6	58.5	66.8	52.9
„ 15,	55.8	53.9	52.8	53.9	51.0	52.5	52.2	54.8	56.8	59.0	61.0	63.3	63.0	62.8	62.3	62.1	60.0	59.5	58.7	58.6	58.5	56.6	55.8	54.8	57.5	63.3	50.0
„ 16,	55.5	55.8	55.2	55.0	54.5	54.1	52.1	54.2	57.8	60.8	62.0	61.8	61.4	61.1	60.8	60.4	59.6	58.9	58.0	57.6	58.2	57.1	57.8	58.3	57.8	62.5	51.6
„ 17,	58.6	57.9	58.5	58.2	57.3	56.8	56.6	59.0	60.5	61.0	61.6	62.7	64.0	62.7	62.9	61.9	60.2	60.2	59.7	59.6	59.3	59.2	58.4	57.4	59.8	64.4	56.0
„ 18,	56.9	57.3	57.2	58.1	58.8	58.6	59.0	61.0	62.6	65.0	67.7	67.0	68.0	67.6	66.0	65.0	64.0	62.6	62.3	61.8	61.6	61.6	62.1	61.0	62.2	69.0	56.2
„ 19,	60.0	59.9	61.2	62.2	63.0	62.8	63.0	65.6	66.8	67.0	68.9	70.0	71.0	71.6	70.4	69.7	69.2	67.2	65.6	65.4	65.8	66.3	66.9	66.7	66.1	71.7	58.7
„ 20,	66.6	67.0	66.8	66.8	67.6	68.1	67.6	69.2	70.2	71.2	71.6	70.0	71.0	69.0	67.2	66.6	64.4	64.9	63.8	63.6	62.3	61.8	62.3	62.4	66.7	71.6	61.3
„ 21,	63.0	63.0	63.3	63.1	63.4	63.1	63.2	63.4	63.4	63.9	64.3	64.6	65.7	65.0	64.0	63.6	63.5	63.5	63.8	63.7	64.0	63.8	63.6	63.2	63.7	66.3	61.4
„ 22,	63.6	63.2	63.0	62.4	62.8	61.5	60.4	60.3	60.6	62.2	65.9	66.5	67.5	67.0	65.9	65.6	64.5	63.0	61.5	60.7	60.0	58.6	57.4	55.2	62.5	67.5	55.0
„ 23,	55.6	55.2	54.6	54.8	53.3	55.4	54.7	55.6	58.0	58.4	60.0	61.3	61.0	62.0	62.0	61.4	60.8	58.8	58.1	57.0	57.0	56.1	55.3	53.9	57.5	64.9	52.3
„ 24,	54.3	53.6	53.7	53.7	52.9	52.8	53.4	57.0	60.0	60.1	63.1	63.9	64.0	64.1	63.0	64.0	61.6	61.1	59.6	59.3	60.1	59.8	60.4	60.0	59.0	65.5	51.3
„ 25,	60.6	60.3	60.3	60.3	59.6	56.2	56.3	59.0	62.2	62.2	67.0	67.1	65.0	65.3	64.8	64.3	63.0	61.3	60.4	59.6	59.4	58.7	57.9	58.4	61.2	67.5	56.2
„ 26,	58.5	57.5	57.9	56.3	57.8	56.7	57.0	59.1	61.6	62.7	65.1	65.8	66.7	67.6	65.8	65.7	65.2	63.2	60.8	61.4	61.8	61.1	58.4	58.6	61.3	68.2	55.3
„ 27,	57.7	57.8	57.6	57.4	58.4	59.2	58.4	59.9	62.0	62.3	63.0	63.1	63.1	62.4	62.0	61.8	61.0	60.1	60.0	60.0	59.6	59.5	59.8	60.0	60.3	64.2	56.6
„ 28,	60.5	59.9	60.2	60.4	60.2	60.1	59.0	60.4	62.0	62.8	64.0	66.9	66.8	67.0	67.2	64.0	63.6	62.2	61.6	61.4	60.7	60.3	59.4	58.6	62.1	67.7	58.1
„ 29,	58.5	59.7	59.9	60.1	61.4	61.5	61.6	63.6	64.4	65.0	67.3	68.0	68.0	67.8	66.0	65.0	64.1	63.0	62.5	62.2	62.4	62.5	62.6	62.1	63.3	68.0	58.1
„ 30,	61.9	61.6	61.2	60.5	60.8	59.9	60.0	60.9	61.1	62.1	63.0	63.2	63.5	64.1	63.9	64.0	61.2	61.3	61.4	61.3	61.4	†61.6	†61.6	†61.6	61.8	64.8	59.3
„ 31,	60.8	60.7	60.4	59.5	57.8	58.2	56.7	57.7	59.6	61.7	64.4	65.0	65.4	64.0	64.8	65.4	62.4	61.3	60.8	60.7	60.6	60.6	60.8	60.7	61.2	68.3	56.2
Means,	60.1	59.8	59.7	59.6	59.3	59.1	58.8	60.7	62.5	63.8	65.3	66.1	66.4	66.3	65.7	65.0	63.8	62.6	62.0	61.5	61.2	60.7	60.3	60.0	62.1	67.7	56.6

† Approximate reading.

TABLE III.

TEMPERATURE OF EVAPORATION AND RADIATION FOR THE MONTH OF DECEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Means.	Solar Max.
Dec. 1, ...	59.6	60.4	58.2	53.6	57.3	56.6	57.3	59.7	61.0	60.8	61.7	62.0	62.1	63.0	63.7	61.6	61.5	60.2	59.2	56.5	54.6	51.3	52.2	52.0	58.8	136.4
„ 2, ...	51.5	51.4	50.7	50.7	49.8	49.7	51.4	50.0	50.8	52.0	52.9	54.1	55.1	53.8	54.0	53.7	53.6	52.4	51.9	51.0	49.9	49.3	48.7	48.7	51.5	123.4
„ 3, ...	48.2	48.1	48.8	48.4	48.3	47.9	48.0	48.2	50.7	53.2	53.0	53.7	54.0	53.9	54.2	52.3	52.6	54.5	52.8	51.6	50.7	49.9	50.6	50.7	51.0	117.9
„ 4, ...	51.5	50.0	50.0	49.0	48.8	49.5	49.0	50.8	52.0	54.0	54.1	54.7	55.7	55.6	55.7	55.5	55.2	53.5	54.9	55.1	54.3	54.7	54.9	54.0	53.0	119.4
„ 5, ...	51.5	50.3	50.2	49.8	49.6	50.4	49.1	53.3	51.5	52.0	52.7	53.4	53.8	54.0	53.0	53.1	52.7	51.5	50.8	48.8	48.2	47.4	47.3	46.4	50.9	124.5
„ 6, ...	46.9	46.5	46.4	45.8	46.1	45.5	46.5	48.0	49.9	52.0	51.0	51.7	51.6	51.5	51.6	52.8	54.1	52.8	52.9	53.5	52.7	53.7	53.4	53.6	50.4	120.7
„ 7, ...	52.1	48.4	45.9	45.1	45.6	45.2	44.8	47.5	50.7	49.6	51.0	50.6	51.0	52.0	52.5	52.4	52.9	52.7	52.0	52.1	52.7	52.9	54.0	54.5	50.3	120.2
„ 8, ...	54.4	53.9	53.8	51.6	51.7	50.3	50.0	52.6	51.5	50.8	52.3	53.3	52.3	53.1	52.6	52.5	53.2	54.3	54.7	55.5	55.4	55.6	55.1	55.0	53.1	115.7
„ 9, ...	56.3	55.8	55.0	55.0	54.4	54.3	54.2	54.5	54.0	54.7	53.5	52.7	51.7	52.7	54.0	53.8	55.0	55.7	56.4	56.9	57.3	57.8	57.5	57.5	55.0	117.9
„ 10, ...	58.0	57.6	57.2	57.1	56.6	56.4	56.3	56.3	56.5	56.4	56.7	57.8	58.4	59.1	59.4	59.3	59.0	59.8	60.1	60.0	60.5	60.4	60.6	60.7	58.3	122.3
„ 11, ...	60.1	60.3	60.3	59.6	59.4	59.6	59.0	59.3	60.3	60.0	59.9	61.2	61.4	61.5	61.4	60.5	60.0	60.8	60.9	61.0	61.4	61.6	61.1	60.7	60.5	124.7
„ 12, ...	61.2	61.3	61.1	61.1	60.4	56.0	57.8	56.2	56.6	56.0	56.8	56.0	56.0	57.0	55.8	54.7	54.5	53.6	52.7	51.3	50.1	48.8	48.8	48.0	55.5	125.5
„ 13, ...	47.4	46.3	45.0	44.7	42.3	42.7	42.0	43.0	43.2	43.3	44.0	45.1	45.9	46.7	45.8	45.0	45.0	45.0	45.7	45.6	45.2	42.9	41.5	41.0	44.3	121.3
„ 14, ...	40.4	40.9	40.4	40.0	40.1	40.2	39.9	40.3	41.5	42.0	43.0	43.8	44.2	44.4	44.3	44.8	45.4	43.0	42.8	42.0	42.0	42.0	41.3	40.9	42.1	125.2
„ 15, ...	41.8	41.8	40.6	40.5	39.6	39.8	40.0	40.7	41.7	43.2	44.0	46.0	45.7	45.3	45.1	45.0	45.0	46.1	48.0	48.5	46.5	49.0	47.2	43.7	44.0	120.1
„ 16, ...	42.1	40.9	40.5	40.3	40.6	39.8	39.9	41.3	44.5	45.8	46.8	47.5	47.4	47.7	48.6	48.4	48.4	48.7	48.5	49.5	49.8	51.5	51.4	52.1	45.9	116.2
„ 17, ...	52.8	52.2	52.1	52.9	52.6	52.2	51.9	53.0	53.2	53.0	53.8	54.8	56.0	55.1	54.9	54.0	53.1	53.5	52.5	52.6	52.7	52.9	51.8	52.4	53.2	118.3
„ 18, ...	52.3	52.3	52.5	53.2	53.5	53.8	55.0	56.0	56.7	56.3	56.8	58.0	57.0	57.5	57.8	57.7	57.2	58.1	55.7	55.3	53.7	52.7	53.7	52.7	55.2	120.2
„ 19, ...	52.6	52.4	52.0	51.8	52.2	52.8	53.6	54.0	54.2	55.5	55.9	53.6	54.7	54.8	54.4	54.8	56.3	55.7	57.6	57.4	57.2	57.5	57.4	57.4	54.8	123.0
„ 20, ...	57.6	57.6	57.8	57.5	57.6	56.6	57.0	58.0	58.4	59.0	59.8	59.7	60.6	58.7	59.2	59.4	59.4	59.2	60.9	61.0	61.1	61.0	61.0	60.8	59.1	123.9
„ 21, ...	60.8	60.8	60.8	60.9	60.8	60.8	60.9	60.9	60.7	61.6	61.7	61.7	62.0	61.8	61.4	60.8	60.9	60.7	60.5	60.6	60.5	60.2	60.2	60.1	60.9	119.3
„ 22, ...	59.8	59.5	59.4	59.3	59.2	55.3	54.0	53.4	53.7	54.0	55.9	56.8	57.7	56.9	57.1	57.0	54.2	53.3	52.5	52.4	52.2	51.2	51.5	49.7	55.2	119.2
„ 23, ...	50.1	49.6	49.3	48.9	48.5	48.9	49.0	49.4	50.1	50.5	51.9	52.4	52.1	52.5	53.0	51.8	52.2	50.5	49.5	49.4	49.6	49.1	49.1	48.5	50.2	116.0
„ 24, ...	48.6	48.2	48.6	48.2	47.6	47.7	47.7	50.4	52.0	52.3	53.2	53.0	53.0	53.1	52.8	53.2	52.0	51.6	51.5	51.2	51.4	51.7	52.5	*53.5	51.0	120.5
„ 25, ...	54.6	54.2	53.6	53.3	52.8	51.1	51.0	52.0	53.0	52.8	55.2	55.0	55.1	55.4	55.4	55.1	52.2	52.8	52.7	53.3	53.4	53.1	52.4	*52.5	53.4	118.9
„ 26, ...	52.7	51.7	50.5	50.0	50.8	49.3	50.7	51.0	51.2	53.0	53.3	54.4	54.8	55.0	56.0	56.0	57.7	54.0	50.9	51.4	50.7	49.7	52.1	51.6	52.4	119.3
„ 27, ...	51.9	52.5	52.4	51.8	50.2	50.5	51.7	53.0	54.8	54.9	55.2	55.8	56.0	56.0	56.8	56.9	56.0	56.6	56.6	56.2	55.0	56.0	56.5	56.2	54.6	117.1
„ 28, ...	56.4	56.2	56.0	56.2	56.0	55.6	55.0	56.0	56.9	57.0	57.7	58.7	58.0	58.1	58.7	57.1	57.0	57.3	57.2	57.7	57.8	57.9	56.7	56.5	57.0	121.3
„ 29, ...	56.0	56.5	56.9	56.7	56.8	56.8	56.6	58.5	59.8	61.2	57.7	58.0	58.0	57.1	58.0	58.0	59.9	59.8	59.4	59.3	59.4	58.7	58.6	58.2	58.1	121.3
„ 30, ...	58.1	57.6	57.1	56.9	56.7	56.1	55.8	55.9	56.1	57.0	57.0	56.8	56.7	58.0	57.8	58.3	57.8	58.0	57.8	58.4	58.6	†58.7	†58.7	†58.7	57.4	121.8
„ 31, ...	58.1	58.1	57.9	55.4	53.1	52.0	50.1	51.7	53.3	54.0	55.1	56.0	56.6	55.6	56.3	55.7	55.0	54.6	55.0	54.7	55.7	56.7	56.8	56.8	55.2	121.3
Means, ...	53.1	52.7	52.3	51.9	51.6	51.1	51.1	52.1	52.9	53.5	54.0	54.5	54.7	54.7	54.9	54.6	54.5	54.2	54.0	53.9	53.6	53.4	53.4	53.1	53.3	121.1

* Interpolated. † Approximate.

TABLE IV.

MEAN HOURLY AND DAILY RELATIVE HUMIDITY AND TENSION OF AQUEOUS VAPOUR FOR THE MONTH OF DECEMBER, 1898.

Hour.	Hourly Mean.		Date.	Daily Mean.	
	Humidity.	Tension.		Humidity.	Tension.
			1898.		
1 a.	59	0.317	Dec. 1,.....	47	0.347
2 „	59	.309	„ 2,.....	40	.234
3 „	56	.300	„ 3,.....	51	.262
4 „	55	.290	„ 4,.....	52	.289
5 „	55	.286	„ 5,.....	34	.204
6 „	53	.275	„ 6,.....	35	.203
7 „	54	.279	„ 7,.....	39	.218
8 „	51	.281	„ 8,.....	47	.274
9 „	48	.279	„ 9,.....	60	.337
10 „	45	.279	„ 10,.....	68	.408
11 „	42	.273	„ 11,.....	73	.461
Noon.	41	.276	„ 12,.....	47	.303
1 p.	41	.273	„ 13,.....	19	.099
2 „	42	.279	„ 14,.....	11	.054
3 „	45	.293	„ 15,.....	24	.109
4 „	46	.294	„ 16,.....	32	.154
5 „	50	.307	„ 17,.....	62	.320
6 „	53	.314	„ 18,.....	61	.344
7 „	55	.317	„ 19,.....	44	.282
8 „	57	.320	„ 20,.....	62	.402
9 „	57	.316	„ 21,.....	85	.499
10 „	57	.317	„ 22,.....	60	.341
11 „	59	.322	„ 23,.....	56	.268
Midt.	59	.318	„ 24,.....	54	.270
			„ 25,.....	56	.306
			„ 26,.....	50	.277
			„ 27,.....	67	.353
			„ 28,.....	72	.400
			„ 29,.....	71	.416
			„ 30,.....	74	.415
			„ 31,.....	66	.358
Means,.....	52	0.297	Means.	52	0.297

TABLE V.

DURATION OF SUNSHINE.

Date.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Sums.
1898.														
Dec. 1,.....	...	...	0.1	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	7.8
„ 2,.....	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.4
„ 3,.....	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.5
„ 4,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.4
„ 5,.....	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.4
„ 6,.....	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.4
„ 7,.....	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.4
„ 8,.....	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.3
„ 9,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.3
„ 10,.....	...	0.1	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	7.3
„ 11,.....	...	...	...	...	...	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	6.2
„ 12,.....	...	...	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	...	8.9
„ 13,.....	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.4
„ 14,.....	...	0.3	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.1
„ 15,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.3
„ 16,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.3
„ 17,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.3
„ 18,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.2
„ 19,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	...	...	9.0
„ 20,.....	...	...	...	...	...	0.5	1.0	0.8	0.1	...	...	...	...	2.4
„ 21,.....	...	...	...	...	...	...	...	0.6	0.2	...	...	...	...	0.8
„ 22,.....	...	...	...	...	...	1.0	1.0	1.0	1.0	1.0	0.6	...	...	5.6
„ 23,.....	...	...	0.6	1.0	0.5	0.1	0.2	0.5	0.9	1.0	1.0	0.2	...	6.0
„ 24,.....	...	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.5
„ 25,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	9.3
„ 26,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	...	9.4
„ 27,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.2
„ 28,.....	...	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	...	9.2
„ 29,.....	...	...	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	...	8.3
„ 30,.....	...	...	0.6	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	...	...	8.4
„ 31,.....	...	...	...	...	0.9	1.0	1.0	1.0	0.7	1.0	0.8	...	...	6.4
Sums,.....	...	3.1	22.1	24.3	26.4	28.6	29.2	29.9	28.9	29.0	28.2	4.7	...	254.4

TABLE VI.

RAINFALL FOR THE MONTH OF DECEMBER, 1898.

Date.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midt.	Sums.	Duration Hours.
Dec. 1,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 2,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 3,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 4,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 5,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 6,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 7,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 8,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 9,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 10,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 11,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 12,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 13,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 14,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 15,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 16,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 17,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 18,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 19,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 20,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.010	0.010	...	...	0.025	3
" 21,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 22,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 23,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 24,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 25,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 26,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 27,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 28,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 29,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 30,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" 31,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sums,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.005	0.010	0.010	...	...	0.025	3

The daily duration of rain is entered from estimation.

TABLE VII.

DIRECTION AND VELOCITY OF THE WIND FOR THE MONTH OF DECEMBER, 1898.

Date.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.		1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midt.		Vel.		Dir.
	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Dir.	Vel.	Sums.	Means.	Means.
Dec. 1,	21	2	1	2	2	2	32	2	31	3	30	3	27	2	24	3	22	6	22	7	22	7	23	8	24	7	23	9	32	10	32	12	32	13	32	5	1	6	2	10	32	27	1	26	32	17	24	8	197	8.2	30
„ 2,	2	6	7	5	30	6	1	7	32	11	32	5	30	5	1	8	1	8	32	9	32	15	32	14	32	11	32	14	31	15	32	14	32	12	32	4	3	8	32	19	1	24	1	23	1	16	1	13	272	11.3	32
„ 3,	32	17	1	10	22	2	...	1	29	2	31	6	31	9	32	12	2	5	30	5	23	8	23	5	22	3	10	4	25	7	24	6	21	5	14	5	32	8	2	8	1	6	1	3	...	1	4	3	141	5.9	30
„ 4.	...	0	3	3	32	2	32	11	2	5	18	2	...	0	...	0	18	2	11	5	8	16	8	17	10	16	12	9	24	11	21	10	26	12	28	8	28	4	15	3	...	1	...	1	16	3	16	3	144	6.0	8
„ 5,	4	3	1	2	32	4	1	9	1	10	1	12	1	8	32	6	1	14	1	12	1	16	32	12	1	14	32	15	32	11	3	10	32	11	32	10	32	8	32	14	1	18	1	15	1	15	1	16	265	11.0	1
„ 6,	32	20	1	19	1	22	1	23	1	22	1	17	1	14	2	9	1	4	4	4	10	9	8	15	11	11	11	6	...	1	23	6	25	3	23	2	7	7	6	3	9	6	...	1	14	2	...	1	227	9.5	2
„ 7,	...	1	31	4	32	11	32	15	31	8	32	8	1	11	1	9	4	3	7	9	8	15	8	19	10	15	10	16	9	13	10	11	10	11	8	11	8	8	8	3	10	3	6	6	6	9	5	11	230	9.6	6
„ 8,	3	13	5	14	4	10	4	15	5	10	...	1	4	3	4	2	5	7	4	13	8	15	9	17	10	18	11	18	10	21	9	20	7	20	7	15	7	15	7	19	7	21	7	25	5	13	6	15	340	14.2	7
„ 9,	5	11	7	17	6	13	5	11	6	16	5	15	6	18	7	23	7	21	8	22	7	22	7	23	8	22	8	20	10	23	10	22	8	19	8	18	7	17	7	18	7	19	7	24	7	25	6	18	457	19.0	7
„ 10,	6	21	6	19	5	16	6	19	6	19	6	22	7	20	5	20	4	15	8	20	8	21	10	19	10	19	10	20	9	18	9	18	9	18	8	17	8	18	6	17	7	20	5	17	6	16	6	20	449	18.7	7
„ 11,	7	19	8	21	7	13	6	13	5	7	5	4	5	4	6	4	9	6	9	2	18	4	10	11	11	20	10	16	10	16	9	17	9	15	9	15	8	15	7	11	7	7	7	3	...	1	12	4	248	10.3	8
„ 12,	9	7	9	7	9	2	9	3	9	5	30	3	30	2	...	1	32	10	2	7	26	9	31	15	31	18	29	15	30	15	31	16	31	16	31	15	32	20	32	22	2	22	1	21	32	22	2	21	294	12.2	32
„ 13,	1	15	3	12	3	15	6	21	1	19	1	17	1	22	32	13	1	22	1	23	32	20	1	16	31	13	32	14	31	16	31	16	31	11	31	7	29	8	8	4	7	6	5	11	2	17	2	24	362	15.1	1
„ 14,	1	23	1	19	1	24	32	22	1	25	1	15	1	12	32	18	1	22	1	24	1	25	1	15	32	12	31	5	32	9	1	10	1	11	2	12	2	11	3	14	2	15	32	17	32	7	3	15	382	15.9	1
„ 15,	3	11	3	5	1	3	1	11	1	6	32	12	1	9	31	8	1	16	32	9	31	10	7	8	11	9	2	9	6	6	5	9	9	6	10	6	11	5	8	6	6	6	...	0	...	1	32	14	185	7.7	3
„ 16,	32	15	1	14	1	13	1	11	3	8	4	4	2	2	...	1	4	5	4	10	8	10	10	16	10	15	10	18	9	15	8	16	10	17	9	13	6	10	7	5	7	5	13	5	6	8	6	9	245	10.2	7
„ 17,	5	11	6	15	6	16	4	15	5	14	6	12	6	9	6	13	8	13	9	16	10	15	10	12	9	16	9	15	8	16	9	19	9	18	9	15	10	11	9	7	7	8	10	6	12	3	..	1	296	12.3	8
„ 18,	12	2	8	4	10	3	9	5	6	8	9	7	9	10	9	12	10	10	10	5	10	3	10	7	20	4	24	3	22	2	24	3	24	4	...	1	8	10	9	9	13	6	13	3	13	5	13	3	129	5.4	10
„ 19,	...	0	...	1	8	2	8	6	8	8	9	12	10	10	10	11	8	15	8	18	9	20	9	20	10	17	10	21	8	25	7	17	7	14	8	15	8	18	8	20	7	19	8	14	8	19	9	15	337	14.0	8
„ 20,	10	15	11	13	9	8	9	3	11	7	8	7	9	5	9	8	7	10	6	12	8	21	9	21	10	20	9	19	9	20	7	23	9	27	6	24	7	25	7	21	7	24	7	23	7	22	7	22	400	16.7	8
„ 21,	7	23	7	21	7	18	7	19	7	18	7	18	8	20	8	16	8	16	8	17	8	16	8	14	10	16	9	16	10	18	8	17	8	19	7	14	7	20	7	20	7	22	6	21	6	20	7	27	446	18.6	7
„ 22,	6	26	6	25	5	18	6	10	4	3	32	9	32	12	2	9	1	9	32	9	8	5	9	10	8	10	12	7	9	14	9	10	2	13	2	10	32	14	32	15	32	18	1	13	1	6	31	8	283	11.8	4
„ 23,	32	7	32	2	1	12	32	12	32	12	32	15	1	10	32	13	1	13	32	13	31	11	2	4	31	5	2	5	24	4	2	11	32	11	2	9	2	7	2	7	1	16	32	19	1	11	1	5	234	9.7	1
„ 24,	1	3	32	7	...	1	1	3	30	5	...	1	1	5	...	1	20	4	23	10	3	12	2	14	32	13	31	14	1	8	2	11	32	8	32	6	32	10	32	11	1	10	2	6	2	3	...	1	167	7.0	32
„ 25,	4	6	2	5	2	5	2	7	3	5	31	6	30	4	31	4	32	6	32	9	11	5	20	8	21	13	21	15	22	15	25	16	27	14	27	10	27	7	27	6	28	3	27	7	28	6	30	4	186	7.8	27
„ 26,	..	0	...	1	29	2	3	3	17	5	32	3	22	3	22	4	22	5	22	7	26	10	24	10	24	9	24	8	20	13	25	13	25	8	30	3	30	3	1	8	1	4	3	7	10	3	14	3	135	5.6	25
„ 27,	14	3	...	1	...	0	12	5	9	12	7	17	7	12	6	14	7	17	7	21	6	26	7	18	8	18	7	18	9	18	8	17	8	19	7	16	7	16	7	14	7	15	7	15	7	18	7	17	347	14.5	7
„ 28,	7	17	6	10	5	11	5	13	5	13	5	13	6	11	9	13	8	10	9	10	9	10	9	10	9	7	9	7	8	7	7	5	...	1	6	3	7	8	9	7	9	7	9	4	...	1	...	0	198	8.3	7
„ 29,	...	0	9	2	...	1	...	0	9	3	11	4	9	4	8	8	8	10	9	14	9	16	8	15	8	17	8	20	9	22	8	23	7	23	7	24	7	27	7	25	7	27	7	30	6	29	7	30	374	15.6	8
„ 30,	7	26	7	26	7	29	7	27	6	27	7	28	6	24	5	24	7	22	7	20	8	19	8	18	10	16	10	16	10	15	10	10	9	16	8	18	7	14	8	12	7	15	7	14	7	15	7	15	466	19.4	7
„ 31,	7	17	7	13	8	9	1	7	31	7	3	13	1	14	2	6	4	2	4	4	10	5	12	4	18	3	10	9	9	3	25	7	8	4	8	6	11	13	8	10	7	13	7	12	8	13	8	13	207	8.6	7
Sums,	...	340	...	319	...	293	...	329	...	323	...	311	...	294	...	293	...	328	...	363	...	416	...	415	...	407	...	401	...	407	...	415	...	399	...	337	...	371	...	368	...	413	...	392	...	347	...	359	8643	360.1	...
Means,	...	11.0	...	10.3	...	9.5	...	10.6	...	10.4	...	10.0	...	9.5	...	9.5	...	10.6	...	11.8	...	13.4	...	13.4	...	13.1	...	12.9	...	13.1	...	13.4	...	12.9	...	10.9	...	12.0	...	11.9	...	13.3	...	12.6	...	11.2	...	11.6	278.8	11.6	...

29th 9a.—30th noon, inclusive, velocity gearing out of order. Hourly values of velocity are approximate only, being entered by aid of hourly estimations of force at the Observatory, and the record of the Peak Anemograph.

TABLE VIII.

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 a.			4 a.			7 a.			10 a.		
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction
1898.												
Dec. 1, ...	0	...	...	1	sm-cum.	SW	9	cum.	WSW	1	sm-cum.	...
„ 2, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 3, ...	0	...	...	0	...	...	1	c-cum. / cum.	ESE	1	sm-cum.	...
„ 4, ...	0	...	...	2	cum.	N	0	...	...	0	...	...
„ 5, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 6, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 7, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 8, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 9, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 10, ...	0	...	...	0	...	...	8	sm-cum.	NW	1	c-cum.	...
„ 11, ...	8	sm-cum.	...	9	sm-cum.	...	9	sm-cum.	WNW	8	sm-cum.	WNW
„ 12, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 13, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 14, ...	0	...	...	0	...	...	7	sm-cum.	NW	0	...	...
„ 15, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 16, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 17, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 18, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 19, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 20, ...	9	cum.	E	9	cum.	E	9	cum-nim.	SE	10	str-cum.	SE
„ 21, ...	10	nim.	...	10	cum-nim.	...	10	sm-cum. / cum.	ENE	10	cum.	NE
„ 22, ...	7	sm-cum. / cum.	E	8	cum.	E	4	cum.	ENE	9	cum.	NE
„ 23, ...	8	c-str.	...	0	...	...	10	cum.	ENE	8	cum.	E
„ 24, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 25, ...	9	cum.	E	9	cum.	E	0	...	...	0	...	...
„ 26, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 27, ...	0	...	...	0	...	...	0	...	...	0	...	...
„ 28, ...	6	cum.	E	5	sm-cum. / cum.	E	0	...	...	0	...	...
„ 29, ...	3	sm-cum.	SSW	10	cum.	...	8	sm-cum.	SW	0	...	...
„ 30, ...	8	cum.	E	7	cum.	E	9	c-cum. / cum.	E	8	cum.	E
„ 31, ...	10	str-cum.	...	10	str-cum.	...	8	str-cum.	SW	1	sm-cum.	...
Means,..	2.5	...	...	2.6	...	...	3.0	...	...	1.8	...	...

TABLE VIII,—*Continued.*

AMOUNT AND CLASSIFICATION OF CLOUDS AND DIRECTION WHENCE COMING.

Date.	1 p.			4 p.			7 p.			10 p.			Means.
	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	Amount.	Name.	Direction	
1898.													
Dec. 1,...	2	sm-cum.	...	0	...	...	0	...	...	0	...	...	1.6
„ 2,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 3,...	0	...	...	2	c-cum.	...	0	...	...	0	...	...	0.5
„ 4,...	1	cum.	NNW	0	...	...	0	...	...	0	...	...	0.4
„ 5,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 6,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 7,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 8,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 9,...	0	...	...	0	...	...	0	...	...	1	cum.	...	0.1
„ 10,...	0	...	...	1	sm-cum.	...	3	sm-cum.	...	6	sm-cum. / cum.	...	2.4
„ 11,...	0	...	...	1	sm-cum.	...	0	...	...	0	...	...	4.4
„ 12,...	0	...	...	0	...	...	0	...	...	1	sm-cum.	...	0.1
„ 13,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 14,...	0	...	...	0	...	...	0	...	...	0	...	...	0.9
„ 15,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 16,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 17,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 18,...	0	...	...	1	c-cum.	...	0	...	...	0	...	...	0.1
„ 19,...	0	...	...	1	c-cum.	...	10	cum.	SE	10	cum.	SE	2.6
„ 20,...	8	c-cum. / sm-cum.	SSE	10	str-cum.	SE	10	cum-nim.	E	10	nim.	...	9.4
„ 21,...	9	str-cum.	...	10	str-cum.	E	10	str-cum.	E	10	sm-cum. / cum.	ENE	9.9
„ 22,...	0	...	...	2	c-cum.	...	2	c-cum.	...	7	c-cum. / cum.	ESE	4.9
„ 23,...	8	cum.	NE	0	...	...	0	...	...	0	...	...	4.3
„ 24,...	1	sm-cum.	...	0	...	...	0	...	...	2	sm-cum.	ESE	0.4
„ 25,...	0	...	...	0	...	...	0	...	...	0	...	...	2.2
„ 26,...	0	...	...	0	...	...	0	...	...	0	...	...	0.0
„ 27,...	1	cum.	...	0	...	...	0	...	...	1	cum.	...	0.2
„ 28,...	0	...	...	0	...	...	0	...	...	0	...	...	1.4
„ 29,...	0	...	...	0	...	...	4	cum.	...	10	cum.	E	4.4
„ 30,...	6	cum.	E	1	c-cum.	...	5	c-cum.	...	10	str-cum.	...	6.8
„ 31,...	2	sm-cum.	...	10	c-cum. / cum.	WNW	6	sm-cum.	...	10	str-cum.	...	7.1
Means,...	1.2	...	...	1.3	...	...	1.6	...	...	2.5	...	...	2.1

TABLE IX.

MEAN HOURLY COMPONENTS AND MEAN DIRECTION OF THE WIND, FOR THE MONTH OF DECEMBER, 1898.

Hour.	Components (miles per hour).						Direction.
	N	E	S	W	+N-S	+E-W	
1 a.	5.8	6.9	0.4	0.1	+ 5.5	+ 6.8	E 38° N
2 „	4.9	7.4	0.3	0.0	4.6	7.4	E 32° N
3 „	5.6	5.7	0.1	0.2	5.5	5.6	E 45° N
4 „	6.7	5.9	0.2	0.0	6.5	5.9	E 48° N
5 „	6.5	5.9	0.4	0.2	6.1	5.6	E 47° N
6 „	6.0	5.5	0.2	0.2	5.8	5.3	E 48° N
7 „	5.6	5.3	0.3	0.4	5.3	4.9	E 47° N
8 „	5.0	5.5	0.4	0.3	4.5	5.1	E 42° N
9 „	5.3	6.4	0.5	0.5	4.8	5.9	E 39° N
10 „	5.0	7.3	0.7	0.8	4.4	6.5	E 34° N
11 „	4.1	9.0	1.1	1.2	3.1	7.8	E 21° N
Noon.	3.2	9.7	1.7	1.0	+ 1.5	8.7	E 10° N
1 p.	2.8	8.6	3.2	1.4	− 0.4	7.3	E 3° S
2 „	2.9	8.5	2.9	1.4	0.0	7.0	E
3 „	2.8	8.5	2.5	1.9	+ 0.3	6.6	E 2° N
4 „	3.7	8.5	1.3	2.0	2.5	6.4	E 21° N
5 „	4.3	8.1	1.1	1.5	3.2	6.5	E 26° N
6 „	3.7	7.8	0.5	0.7	3.2	7.1	E 24° N
7 „	4.5	8.5	0.5	0.5	4.0	8.0	E 27° N
8 „	5.2	8.1	0.2	0.2	5.0	7.9	E 32° N
9 „	6.6	8.9	0.3	0.1	6.4	8.8	E 36° N
10 „	6.7	8.0	0.3	0.2	6.4	7.8	E 39° N
11 „	5.5	7.2	0.4	0.1	5.1	7.1	E 36° N
Midt.	5.4	7.8	0.5	0.4	+ 4.9	+ 7.5	E 33° N
Means, ...	4.9	7.5	0.8	0.6	+ 4.09	+ 6.81	E 31° N

PHENOMENA :—

Fog :—on the 12th, 18th and 29th.

Slight fog :—on the 1st.

Haze :—on the 12th and 28th.

Dew :—on the 18th.

ON TRANSIT OBSERVATIONS.

For all astronomical observations it is necessary to look through a clear sky and through an atmosphere, the different strata of which vary regularly with regard to temperature and humidity with increasing altitude above the surface of the earth. Only when such is the case are the images of the stars well defined in the telescope. The definition is usually best inland, far from the coast, and best just at sunset. It is probably next best on board a sailing vessel far out at sea. It is worst on islands near the coast. Near the top of high mountains the definition is best of all, only the most favourable period occurs not necessarily at sunset but later at night. An observer so fortunate as to be situated in such a favoured spot looks not only through a shallower and more rarefied atmosphere but is also remote from smoke and dust, the former of which if it does no harm itself is commonly associated with heated air.

The way to construct a meridian room is really a meteorological problem,—the building sheltering a meridian circle must be considered in the light of a thermometer screen, that is to say: a screen for sheltering scientific instruments from radiation, wind, rain and dust, and for keeping them as closely as possible at the temperature of the open air. It is difficult to accomplish this within the tropics, and it is still more difficult in the arctic regions, but it ought not to be considered a difficult problem in the temperate zone.

When criticising a meridian room we must bear in mind that a thermometer indicates nothing but its own temperature, which is determined by the temperature of surrounding objects through conduction, convection, and radiation. If we want to ascertain the temperature of one of those surrounding objects (for instance the temperature of the air) we must endeavour to bring the thermometer in close contact with that object, and take care to eliminate the effects of all the other surrounding objects.

Just as there are different kinds of thermometer screens in use so we find corresponding differences in meridian rooms. Thus at Pulkowa the transit instruments are placed in airy wooden rooms, which remind us of the Stevenson thermometer screens in use in England. The main question rests then with the kind of paint used, for if, for instance, white lead (which absorbs at any rate the dark heat rays as completely as they are absorbed by lampblack, and whose radiation at night is consequently also as great) is in use, then the exposure approximates more or less to an unsheltered metallic screen: the worst form of exposure. This latter has, unless I am misinformed, actually been lately recommended by a well known astronomer. The best thermometer shelter is that adopted by Pogson in Madras. It is large and airy and is made of palm leaves on a skeleton frame made of unpainted wood. The best exposure for a transit instrument would be in a room made of metal (preferably copper), protected from radiation by a Pogson shelter of large proportions. This would correspond to the thermometer screen in use in Russia.

But it is not enough to have a suitably constructed meridian room, if the ground outside consists of stone or gravel. It is necessary to have a lawn on all sides (especially towards the south) run up close to the shutter which should descend as low as the ground outside. A housewall on one side or on both sides of the observatory is also to be avoided, and the meridian observatory should therefore be isolated in the middle of a lawn.

As the temperature decreases quickly and perhaps irregularly within fifteen feet of the ground, it is advisable to raise the transit instrument so high that the object glass, in no position, will be less than fifteen feet above the level of the lawn outside. In case of reflection observations it is not advisable to place the mercury surface in a well beneath the floor, as the temperature there might be very different from elsewhere.

In calculating refraction it is best to reduce the barometer in the same manner as meteorologists do it. The corrections are: a gravity correction to reduce pressure to its equivalent at the place where the observations were made on which the refraction tables are founded (in Hongkong when using Gyldén's tables the correction is —0.093 inches which amounts to 0.0031 of the whole refraction), an index correction to reduce the indications of the barometer to the readings on that barometer which was used as a standard where the tables were constructed, and a temperature correction to reduce pressure to its equivalent at freezing point of water.* There is then no further use for the so-called "internal thermometer" or the "attached" thermometer as meteorologists term it. In case of very accurate observations made with a large transit circle it is also necessary to reduce the barometer-reading to the height of the object glass at each observation.

The "internal" or "attached" thermometer should not be at the temperature of the air in the observing room but at the temperature of the mercury in the barometer. It should be inserted in a test tube of the same diameter as the barometer, filled with mercury, and fixed on a level with the middle of the barometer. A position for determining air pressure by aid of a mercurial barometer worse than a well ventilated meridian room could not easily be found. It is advisable to hang the barometer in the clockroom which is of course kept at a temperature as even as can conveniently be contrived.

* The correction at 32° F. is not zero but —.009 inch because the measuring bar is correct at 62° F.

The outside temperature should be determined by aid of the rotating thermometer outside the shutter on a level with the object glass. When the shutter, which should be as broad as possible, has been kept open some time, the rotating thermometer will show hardly any difference between the temperature of the observing room and the open air, even when ordinary thermometers fixed inside show a difference of temperature amounting to several degrees, that is unless there is a dead calm, in which case it is more difficult to equalise the temperature though even then the overhead shutter causing a draught will soon effect a uniform temperature.

Three hundred years ago Tycho Brahe found a difference between the refraction of the sun and the refraction of fixed stars. Nowadays when such a difference occurs we know that it must be caused by a defective determination of the temperature of the air, unless the observatory is surrounded by high land in which case cold air collects over the low land at night, causing the temperature to increase on ascending in the air during the night, and thereby creating a diurnal variation in the refraction.

With reference more especially to the determination of right-ascension "personal equation" is a source of trouble. This is supposed to depend upon physiological causes, but there is no doubt that wrong methods of observing are largely responsible for those very large corrections denominated "personal equations" we sometimes meet with in print. It is possible for an inexperienced observer to refer the position of the star traversing the field to the instant he counts the beat instead of to the instant he hears the beat and a vicious habit may thereby be created unless he becomes aware of his mistake by comparison with other observers. Or a beginner may fix the position of the star at the beat of the clock before it passes the wire but after passing the wire (his attention having been engaged by the previous estimation) he may see it less distinctly,—in the shape of a short line parallel to the equator, and his "personal equation" will then depend upon the point of the short line, which he selects as the position corresponding to the beat of the clock. When observing by a chronograph placed in the transit room, the final beat of the armature is heard a long time after the transit and that may give rise to personal error. If the observer does not press the key till the star is bisected, his transits will be recorded too late, while if he allows for this and touches the key so that the signal and the transit may be simultaneous (as we all do here) then it is likely that the "personal equation" will depend upon the declination of the star observed.

The "light equation" must be particularly sensible in case of a small instrument such as ours, (the object glass is three inches in diameter and the power 58) and especially in case of stars of the seventh magnitude observed near the southern horizon. No measures to obviate this were taken last year, but since the 1st January, 1899, I observe stars brighter than the sixth magnitude through screens held before the object glass.

The transits observed here during the past year were reduced according to the method published in my paper on the large meridian-circle at Markree on the 26th January, 1878 (Astr. Nachr. 2189). The mean of the wires is taken, and to this is added the reduction to mean place and precession to reduce to the equinox for 1900.00. Denominating the sum by T we have:

$$\text{R. A.} = T + \Delta T + n \tan. \text{decl.}$$

the quantity Δ T is determined from transits of stars in Auwers's southern catalogue (Astr. Nachr. 3431-32) or failing such from stars in the Nautical Almanac. During the couple of hours the observations last Δ T was found to be proportional to the time except on one occasion, on the 5th December, when a small term proportional to the square of the time had to be introduced. This was due to a change of rate of the chronometer, which had to be used that day as the chronograph was not available. The quantity n is obtained from high and low standard stars, but all to the south of the equator, as stars to the north of the equator cannot be observed with the direct vision eyepiece (power 58) used in these observations. The collimation has been so arranged that when added to the quantity required for reducing the mean of the wires to the middle wire, the sum is zero. The quantity n is therefore slightly different from n in Bessel's formula, as it is affected by the neglect of any small error of collimation, by the neglect of diurnal aberration, and by the difference in personal equation for high and low stars. It is easily proved that the neglect of diurnal aberration in the following observations cannot cause an error exceeding a tenth of its amount in the right-ascensions. n depends in Hongkong mainly upon the azimuth, which is nearly constant, and n has therefore been taken as constant for several hours. The change in Δ T depends upon the clock-rate and upon the change in inclination of the axis, which varies proportional to the time in the course of a few hours.

The probable error in observing a transit over a wire by chronograph was found to be $\pm$ 0^s.065 in the equator, which gives for the mean of seven wires $\pm$ 0^s.025, and as the total of errors other than this usually amounts to as much, we may expect the P. E. of a R. A. observed once to be $\pm$ 0^s.035 sec. decl., but owing to the occasional use of a chronometer beating half seconds instead of the chronograph the errors were occasionally larger than this last year, not only because the transits across the wires were not so well observed but also because the chronometer did not go so well as the standard clock. I find that the mean of two such observations is equal to one observation made with the chronograph. On several occasions the clock tripped and that affected its rate considerably, and the observations then

made have not been excluded. The probable errors, reduced to the equator, resulted as follows: for 22° 30′ ± 0ˢ.042, for 27° 30′ ± 0ˢ.044, for 32° 30′ ± 0ˢ.036, for 37° 30′ ± 0ˢ.037, for 42° 30′ ± 0ˢ.043, for 47° 30′ ± 0ˢ.040, for 52° 30′ ± 0ˢ.047. The last is large because the faint stars are not easily seen so near the southern horizon. The mean of all is ± 0ˢ.041 sec. decl.*

Although the electric contact apparatus, when not connected with the battery, did not interfere with the going of the sidereal standard clock, the clock in November was found to be just on the point of tripping whenever the current passed through the springs. Successive re-adjustments did not permanently remedy this. At last the cause was found to lie with vibration of the springs connected with the appearance of a tiny spark, which was seen when the relay was worked with even a single Léclanché cell. I then cured the defect by inserting a high resistance shunt as near as possible to the springs. On November 18 and December 1 the clock had actually tripped while observations were in progress.

The observations were made by aid of a chronometer beating half seconds from November 19th to 27th incl., and from December $1^d0^h50^m$ sidereal time to December 5th incl.

The chronograph was discarded and observations were made by eye and ear by aid of the relay worked from the standard clock on August 23rd and 30th, September 5th, 7th, and 8th, October 23rd, on December 1st up to 0^h0^m and on December 6th.

All the observations were made by myself except on the following days when Mr. J. I. Plummer observed: August 15th, 23rd, and 30th, November 22nd after 1^h35^m R. A., November 24th, November 25th after 1^h50^m R. A., November 26th up to 3^h40^m R. A., December 1st after 2^h20^m R A., and December 5th after 2^h30^m R. A. The errors probably committed by Mr. Plummer and myself are exactly equal, and the difference in personal equation, which however did not enter into this work, as our series were separately reduced, appears not to exceed a couple of hundredths of a second.

As explained above the observations were reduced by aid of Auwers's standard catalogue. On the following days: September 28th, December 5th, 12th and 16th, it was found advantageous to re-reduce the observations using all the stars as standards and adopting the mean of the R. A.'s obtained on other days. The cause lay with errors made in taking transits of the standards. Usually 8 standards are observed during a series which lasts about 2 hours. If less than 6 standards are observed, then the R. A. of the standards observed are not entered in the catalogue.

The first column in the following table shows the number in Stone's Cape Catalogue (with an asterisk if the star has been used as a standard). When the star is not found in Stone's catalogue its number in Auwers's standard catalogue is given with A prefixed. The second column shows the epoch. The third and fourth columns show the R. A. and Decl. for the equinox 1900.00 but no correction for proper motion has been applied. The next columns show the estimated magnitudes, the position of the instrument (clamp east or west), and the number of wires observed.

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS OBSERVED AT THE HONGKONG OBSERVATORY IN THE YEAR 1898.

No.	1898. +	R. A. 1900·00.	Decl. S. 1900·00.	Mag.	Posn.	Wires.	No.	1898. +	R. A. 1900·00.	Decl. S. 1900·00.	Mag.	Posn.	Wires.
		h. m. s.	° ′						h. m. s.	° ′			
12437	·783	0 0 45.96	42 18	6.5	W	7	* 43	·898	0 6 29.62	28 21		W	7
	·882	45.95	"		W	7		·926	29.80	"		E	7
	·885	45.97	"		E	7	* 45	·928	0 6 39.02	35 42		W	7
3	·764	0 1 33.06	36 38	6.6	W	7	46	·781	0 6 54.45	42 44	6.2	E	7
	·778	33.04	"	6.7	E	7		·783	54.38	"	6.3	W	7
	·928	33.20	"		W	6	53	·797	0 7 38.33	43 43		E	7
6	·781	0 2 3.10	38 29	7.5	E	7		·885	38.21	"		E	7
	·942	3.09	"	7.2	W	7		·942	38.38	"	6.8	W	7
13	·783	0 2 40.27	23 4	6.2	W	7	61	·813	0 8 37.80	26 35	6.1	E	7
	·879	40.34	"	6.5	W	7		·879	37.68	"	6.2	W	6
	·923	40.26	"	6.2	W	7		·882	37.82	"		W	7
	·926	40.27	"	6.2	E	7		·923	37.73	"	6.2	W	7
24	·764	0 3 54.50	40 18	6.9	W	7		·989	37.89	"		W	7
	·778	54.43	"	6.8	E	7	64	·764	0 8 45.37	49 14	6.7	W	7
* 27	·885	0 4 20.15	46 18		E	7		·778	45.36	"	6.4	E	7
	·923	20.15	"		W	6	66	·781	0 9 10.43	36 22	6.9	E	7
	·928	20.22	"		W	7		·783	10.37	"	6.6	W	7
32	·781	0 4 53.24	45 13	6.6	E	7	69	·898	0 9 24.03	40 59	7.0	W	7
	·783	53.24	"	6.6	W	7	77	·813	0 10 28.81	41 0	6.8	E	7
38	·813	0 5 42.19	35 25	6.5	E	7		·885	28.65	"		E	6
	·879	42.21	"	6.8	W	7		·926	28.66	"	6.8	E	7
	·882	42.18	"		W	7		·942	28.80	"	6.7	W	7
42	·764	0 6 14.62	40 56	6.7	W	7	81	·778	0 11 23.32	43 33	7.1	E	7
	·778	14.69	"	6.7	E	7		·783	23.39	"	6.6	W	6

* The P. E. of observations made during the first half of 1899 is ± 0ˢ.036 sec. decl.

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
83	·781	0 11 30.08	33 19	6.5	E	7
	·879	30.18	"	6.8	W	7
	·882	30.05	"		W	7
	·923	30.06	"	6.7	W	7
96	·781	0 13 32.68	47 5	6.7	E	7
	·783	32.61	"	6.6	W	7
	·885	32.38	"		E	7
97	·778	0 13 39.31	30 31	7.5	E	7
	·879	39.36	"	7.0	W	7
* 101	·797	0 14 19.91	9 23		E	4
	·813	19.93	"		E	7
	·898	19.89	"		W	7
	·923	19.91	"		W	7
	·989	19.92	"		W	7
110	·783	0 15 45.88	24 11	6.2	W	7
	·879	46.06	"	6.6	W	7
112	·813	0 15 55.62	39 48	6.3	E	7
	·849	55.57	"	6.8	W	7
113	·778	0 15 57.94	35 29	7.2	E	7
	·890	58.01	"		W	7
124	·781	0 17 27.55	51 33	6.5	E	7
	·879	27.73	"	6.0	W	4
	·885	27.42	"		E	7
	·989	27.60	"		W	7
128	·783	0 17 49.51	39 49	6.3	W	7
	·813	49.45	"	6.4	E	7
132	·778	0 18 21.52	30 24	6.4	E	7
	·849	21.58	"	6.7	W	7
	·923	21.48	"	6.6	W	7
135	·898	0 18 50.81	49 55		W	7
	·904	50.82	"	7.0	E	7
144	·781	0 20 0.02	42 26	6.6	E	7
	·887	19 59.86	"		W	7
	·890	20 0.08	"		W	7
	·989	0.06	"		W	7
147	·783	0 20 25.42	39 49	6.2	W	7
	·813	25.42	"	6.4	E	7
150	·778	0 20 47.79	51 57	6.9	E	7
	·849	48.11	"	7.0	W	7
154	·885	0 21 17.79	40 12		E	7
	·904	17.82	"	6.7	E	7
* 155	·879	0 21 20.47	42 51		W	7
	·890	20.48	"		W	3
161	·781	0 22 31.18	32 23	6.7	E	7
	·783	31.17	"	6.4	W	7
	·989	31.18	"		W	7
165	·778	0 23 14.10	53 30	6.7	E	7
	·898	14.04	"		W	7
174	·783	0 24 36.97	33 8	6.5	W	6
	·813	36.88	"	6.8	E	7
* 179	·781	0 25 22.62	24 20		E	7
	·849	22.67	"		W	7
	·879	22.71	"		W	7
	·887	22.65	"		W	7
	·890	22.64	"		W	7
	·989	22.58	"		W	7
182	·882	0 25 34.99	40 4		W	7
	·904	35.01	"	6.4	E	7
* 187	·778	0 26 35.56	49 21		E	7
	·783	35.59	"		W	7
	·813	35.50	"		E	7
193	·781	0 27 40.39	25 55	6.0	E	7
	·849	40.47	"	6.3	W	7
196	·778	0 28 38.82	38 40	6.5	E	7
	·879	38.85	"	6.7	W	7
	·882	38.73	"		W	7
210	·813	0 29 36.69	45 59	6.2	E	7
	·887	36.57	"		W	7
	·890	36.57	"		W	7
* 211	·783	0 29 42.27	52 56		W	7
	·898	42.35	"		W	7
	·904	42.37	"		E	7
	·989	42.28	"		W	7
216	·781	0 30 31.52	54 6	8.0	E	7
	·879	31.41	"	8.0	W	6
223	·778	0 31 49.67	49 41	6.2	E	7
	·783	49.83	"	6.2	W	7
* 225	·885	0 32 12.30	25 19		E	7
	·887	12.40	"		W	7
	·890	12.41	"		W	7
	·904	12.42	"		E	7
227	·813	0 32 19.51	42 19	7.1	E	7
	·849	19.49	"		W	7
232	·781	0 32 54.11	54 16	6.9	E	7
	·879	54.39	"	6.7	W	7
	·882	54.09	"		W	6
236	·898	0 33 20.51	51 17		W	7
	·989	20.65	"		W	7
241	·778	0 34 15.88	42 27	7.0	E	7
	·783	15.90	"	6.6	W	7
246	·781	0 35 2.48	34 30	6.4	E	7
	·849	2.55	"	6.2	W	7
	·879	2.63	"	6.5	W	6
	·882	2.50	"		W	6
	·885	2.58	"		E	7
252	·813	0 35 38.52	29 58	6.5	E	7
	·887	38.41	"		W	7
	·890	38.38	"		W	7
	·904	38.51	"	6.3	E	7
	·989	38.47	"	6.4	W	7
* 258	·849	0 36 36.00	46 38		W	7
268	·783	0 37 47.19	36 34	6.4	W	7
	·813	47.15	"	6.3	E	7
271	·882	0 37 54.20	39 1		W	7
279	·849	0 38 33.87	45 44		W	7
	·879	33.97	"	6.5	W	7
	·885	33.70	"		E	7
	·904	33.80	"	6.5	E	7
* 283	·882	0 39 22.00	38 58		W	7
	·887	22.01	"		W	7
	·898	22.03	"		W	7
284	·890	0 39 35.11	49 56		W	7
	·989	35.23	"	6.5	W	7
288	·783	0 39 53.21	31 56	6.6	W	7
	·813	53.29	"	6.7	E	7
307	·849	0 41 45.15	30 44	6.5	W	7
	·879	45.14	"	6.4	W	7
	·882	45.19	"		W	6
	·885	45.16	"		E	7
	·989	45.20	"	6.4	W	7
310	·890	0 42 6.76	54 39		W	7
	·904	6.46	"	6.9	E	7
314	·783	0 42 49.93	31 54	6.4	W	7
	·813	49.94	"	6.3	E	7
319	·849	0 43 47.97	29 2	6.4	W	7
	·868	47.74	"	6.6	E	7
325	·898	0 44 21.27	43 6		W	7
	·989	21.30	"	6.8	W	7
329	·879	0 45 5.13	54 43	7.3	W	7
	·882	5.02	"		W	7
	·890	5.03	"		W	7
	·904	5.24	"	7.2	E	7
336	·783	0 46 37.33	39 4	6.5	W	7
	·813	37.35	"	6.5	E	7
	·849	37.35	"	6.6	W	7
	·868	37.12	"	7.2	E	7
	·989	37.25	"	6.7	W	7
344	·879	0 48 6.32	30 54	6.6	W	7
	·885	6.25	"		E	6
345	·898	0 48 9.79	52 6		W	7
	·917	9.63	"	7.0	W	6
356	·890	0 49 50.75	49 29		W	7
	·904	50.75	"	7.0	E	7
	·989	50.84	"	7.0	W	7
359	·813	0 50 29.18	25 12	6.6	E	7
	·849	29.24	"	6.2	W	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S. 1900·00.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
362	·868	0 50 38.63	47 57	7.3	E	7
	·879	38.91	"	6.3	W	7
370	·904	0 51 56.51	25 54	6.7	E	7
	·917	56.52	"	6.7	W	7
	·989	56.57	"	6.7	W	7
* 378	·813	0 53 47.20	29 54		E	7
	·849	47.20	"		W	7
	·868	47.03	"		E	7
	·879	47.15	"		W	7
	·885	47.29	"		E	7
	·887	47.15	"		W	7
	·890	47.29	"		W	7
	·898	47.07	"		W	7
	·917	47.20	"		W	6
386	·904	0 55 23.72	50 17	6.5	E	7
	·989	23.88	"	6.8	W	7
388	·813	0 55 52.37	36 47	6.7	E	7
	·849	52.38	"	6.3	W	7
391	·868	0 56 37.10	33 54		E	7
	·879	37.34	"	6.7	W	7
	·885	37.26	"		E	7
	·917	37.28	"	6.7	W	7
401	·890	0 57 38.26	50 12		W	7
	·898	38.37	"		W	7
	·989	38.31	"	7.2	W	6
406	·849	0 58 11.91	37 49	7.2	W	7
	·887	11.81	"		W	5
	·904	11.85	"	6.9	E	7
	·920	11.98	"	6.9	E	6
421	·849	1 0 29.42	38 6	7.0	W	7
	·879	29.44	"	6.9	W	7
	·917	29.20	"	7.0	W	7
425	·890	1 0 45.78	40 48		W	7
	·898	45.60	"	6.7	W	7
* 430	·813	1 1 37.22	47 15		E	7
	·868	37.27	"		E	7
	·885	37.21	"		E	7
	·904	37.33	"		E	7
	·920	37.30	"		E	7
	·989	37.37	"		W	7
435	·849	1 2 21.86	24 32	6.0	W	7
	·887	21.88	"		W	7
448	·868	1 4 6.89	47 12		E	7
	·879	6.96	"	6.3	W	4
	·917	6.91	"	6.6	W	7
	·920	7.01	"	6.7	E	7
	·989	7.13	"	6.5	W	7
453	·849	1 5 15.48	26 44		W	7
	·874	15.63	"	6.7	W	7
	·904	15.60	"	6.6	E	7
	·915	15.53	"	6.7	E	7
* 466	·849	1 8 8.91	38 23		W	3
	·868	9.11	"		E	7
	·887	8.81	"		W	7
	·917	8.83	"		W	7
	·920	8.90	"		E	7
	·989	9.03	"		W	7
467	·874	1 8 17.35	36 17		W	6
	·879	17.21	"	6.8	W	7
	·882	17.26	"		W	7
471	·890	1 8 51.89	40 4		W	7
	·898	51.71	"	6.6	W	7
	·904	51.88	"	6.6	E	7
	·915	51.81	"	7.0	E	7
486	·868	1 11 5.48	24 30		E	6
	·887	5.47	"		W	7
	·890	5.53	"		W	7
	·904	5.56	"		E	7
	·989	5.56	"	6.7	W	7
489	·849	1 11 43.67	42 32	6.3	W	7
	·879	43.76	"	6.3	W	7
	·882	43.79	"		W	7
	·915	43.80	"	6.5	E	7
489	·920	1 11 43.66	42 32	6.1	E	7
497	·898	1 12 47.52	37 48	6.7	W	7
	·917	47.63	"	7.0	W	7
512	·849	1 15 41.42	36 46	6.7	W	7
	·882	41.45	"		W	7
	·904	41.46	"	6.6	E	7
	·915	41.40	"	6.9	E	7
515	·890	1 16 19.81	50 5		W	7
	·989	19.91	"	7.0	W	7
520	·898	1 17 4.30	50 16	6.5	W	7
	·920	4.73	"	6.4	E	7
532	·849	1 18 2.96	35 31		W	7
	·882	2.93	"		W	7
	·915	2.92	"		E	7
536	·917	1 18 40.36	34 5	6.3	W	7
	·989	40.47	"	6.5	W	7
* 540	·887	1 18 51.86	31 28		W	7
* 543	·904	1 19 1.47	8 43		E	7
552	·890	1 20 15.05	46 15		W	7
	·920	15.11	"	6.7	E	7
560	·882	1 21 42.66	46 25		W	7
	·989	42.81	"	7.0	W	7
573	·874	1 23 12.42	46 22		W	7
	·920	12.44	"	6.4	E	7
* 580	·849	1 24 1.29	43 50		W	6
	·890	1.34	"		W	7
	·898	1.37	"		W	7
	·904	1.40	"		E	7
581	·868	1 24 9.42	34 17		E	7
	·989	9.61	"	6.4	W	7
* 584	·882	1 24 48.22	22 9		W	7
	·917	48.30	"		W	7
* 600	·849	1 27 5.26	49 36		W	7
	·882	5.24	"		W	7
	·917	5.24	"		W	7
601	·868	1 27 12.96	28 13		E	7
	·874	13.10	"		W	7
	·989	13.09	"	6.6	W	7
604	·890	1 27 13.48	45 10		W	7
	·920	13.39	"	6.8	E	7
	·923	13.26	"	6.8	W	7
	·926	13.31	"	6.9	E	7
611	·879	1 27 51.40	51 5	7.0	W	7
	·928	51.70	"	7.1	W	7
621	·849	1 29 44.53	28 45	6.7	W	7
	·868	44.47	"		E	7
	·915	44.41	"		E	7
	·989	44.54	"	6.5	W	7
624	·874	1 30 14.00	35 51		W	4
	·879	13.95	"	6.9	W	7
	·920	13.80	"	6.7	E	7
	·923	13.93	"	7.0	W	7
633	·849	1 31 28.42	40 27	6.6	W	7
	·868	28.34	"		E	6
	·917	28.33	"	6.5	W	7
	·926	28.38	"	6.5	E	7
641	·879	1 32 42.82	49 19	6.4	W	7
	·928	43.09	"	6.6	W	7
643	·890	1 33 7.28	38 39		W	7
	·989	7.26	"	6.7	W	7
* 650	·898	1 33 59.35	57 45		W	7
	·917	59.43	"		W	7
	·923	59.49	"		W	7
	·926	59.33	"		E	6
648	·849	1 34 5.58	32 41	7.5	W	7
	·868	5.55	"		E	7
	·991	5.69	"		E	7
659	·879	1 35 3.53	49 17	6.6	W	7
	·928	3.73	"	6.5	W	6
666	·879	1 36 2.72	49 16	6.5	W	7
	·928	2.75	"	6.2	W	7
	·989	2.78	"	6.6	W	7
671	·849	1 36 41.69	33 54	7.0	W	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S. 1900·00.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
671	·868	1 36 41.64	33 54		E	7
674	·874	1 37 30.72	35 21		W	6
	·882	30.60	"		W	7
* 676	·920	1 37 38.48	37 20		E	7
	·923	38.43	"		W	7
	·926	38.52	"		E	7
686	·879	1 39 49.00	51 9	6.8	W	7
	·989	49.17	"	7.0	W	7
689	·849	1 40 9.18	34 54		W	7
	·868	9.17	"		E	7
	·917	9.13	"		W	7
694	·882	1 40 42.92	51 31		W	7
	·991	42.86	"		E	6
* 696	·928	1 40 57.63	25 33		W	7
699	·898	1 42 0.31	42 53	7.3	W	7
	·923	0.24	"	7.0	W	7
	·926	0.07	"	7.0	E	7
* 703	·879	1 42 17.51	54 1		W	5
705	·890	1 42 32.67	42 38	6.6	E	7
	·989	32.84	"	6.7	W	7
706	·874	1 43 2.48	42 16		W	7
	·928	2.44	"	6.2	W	7
714	·882	1 43 32.72	46 45		W	7
	·991	32.74	"	6.5	E	7
721	·849	1 44 47.96	31 34		W	6
	·989	47.98	"	6.4	W	7
722	·879	1 44 57.71	50 59	6.7	W	7
	·926	57.58	"	6.5	E	7
724	·874	1 45 24.00	29 32		W	7
	·890	23.82	"	6.3	E	7
* 734	·868	1 46 31.39	10 50		E	7
736	·898	1 46 42.47	31 24	6.6	W	6
	·923	42.61	"	6.7	W	7
	·928	42.59	"	6.6	W	7
740	·879	1 47 22.00	45 58	6.5	W	7
	·926	21.99	"	6.2	E	7
745	·874	1 47 55.43	50 29		W	7
	·989	55.51	"	6.8	W	7
* 754	·879	1 49 38.17	46 48		W	7
	·890	38.12	"		E	7
757	·868	1 50 26.62	25 23		E	7
	·874	26.56	"		W	7
760	·923	1 51 17.97	29 36	6.7	W	7
	·926	17.93	"	6.5	E	7
* 765	·928	1 52 3.78	52 6		W	7
769	·879	1 52 18.19	50 20	6.3	W	7
	·989	18.17	"	6.2	W	7
776	·874	1 53 4.00	36 33		W	7
	·882	3.88	"		W	7
	·890	3.90	"		E	7
783	·898	1 54 1.90	33 33	6.5	W	7
	·991	1.90	"	6.5	E	7
788	·879	1 54 50.57	43 26	6.6	W	7
	·926	50.40	"	6.6	E	7
* 790	·849	1 55 17.58	21 34		W	4
	·868	17.56	"		E	7
	·923	17.55	"		W	7
794	·874	1 55 53.25	26 43		W	7
	·882	53.18	"		W	7
	·890	53.09	"	7.3	E	6
798	·928	1 56 20.17	42 16	6.5	W	7
	·989	20.11	"	6.4	W	7
802	·879	1 56 49.76	44 19	7.0	W	4
	·898	49.79	"	7.2	W	7
	·991	49.62	"		E	7
811	·868	1 57 59.52	30 9		E	7
	·874	59.47	"		W	7
	·923	59.49	"	6.5	W	7
	·926	59.54	"		E	7
* 822	·890	2 0 0.36	29 47		E	7
	·896	0.50	"		E	7
	·898	0.49	"		W	7
	·926	0.50	"		E	7
* 822	·989	2 0 0.46	29 47		W	7
824	·868	2 0 21.80	43 59		E	7
	·874	21.78	"		W	7
834	·879	2 1 56.17	52 28	6.7	W	7
	·928	56.31	"	6.5	W	7
837	·868	2 2 22.50	37 36		E	7
	·874	22.51	"		W	7
	·923	22.32	"	6.7	W	7
	·989	22.41	"	6.8	W	7
	·991	22.35	"		E	6
842	·890	2 3 37.60	28 5	6.7	E	7
	·898	37.47	"	6.6	W	7
850	·868	2 4 32.37	36 18		E	7
	·874	32.49	"		W	6
	·896	32.37	"	6.8	E	7
	·928	32.47	"	6.6	W	6
853	·879	2 4 37.72	36 16		W	7
	·901	37.70	"	7.0	E	7
	·989	37.72	"	7.2	W	7
858	·923	2 5 24.55	41 52	7.0	W	7
	·926	24.82	"	7.0	E	7
	·991	24.63	"		E	7
860	·882	2 5 38.24	45 56		W	6
867	·868	2 6 19.18	35 59		E	7
	·879	19.16	"		W	6
871	·874	2 6 35.17	45 55		W	7
	·890	35.93	"		E	7
873	·898	2 7 24.82	47 3	7.2	W	7
	·901	24.62	"	6.9	E	7
	·989	24.82	"	6.9	W	7
878	·874	2 8 5.28	47 38		W	7
	·896	5.13	"	6.2	E	7
* 880	·879	2 8 30.15	31 12		W	7
	·923	30.13	"		W	7
	·926	30.15	"		E	7
	·928	30.30	"		W	7
883	·868	2 8 34.18	35 0		E	7
	·882	34.09	"		W	7
	·991	34.12	"		E	7
890	·890	2 10 26.67	24 0	6.7	E	7
	·898	26.66	"	6.4	W	7
	·989	26.73	"	6.6	W	7
* 891	·879	2 10 29.09	41 38		W	7
	·901	29.09	"		E	7
894	·868	2 10 37.31	38 0		E	7
	·874	37.44	"		W	7
897	·896	2 11 0.29	23 50	6.7	E	7
	·923	0.27	"	6.8	W	7
	·991	0.29	"		E	4
907	·928	2 12 11.35	52 40		W	7
	·931	11.20	"	6.5	E	7
911	·874	2 12 34.18	53 21		W	7
	·882	34.07	"		W	7
	·926	34.13	"	6.5	E	7
* 913	·868	2 12 56.08	51 59		E	7
	·898	56.09	"		W	7
	·901	56.22	"		E	6
	·934	56.01	"		W	7
	·989	56.10	"		W	7
914	·879	2 13 5.55	36 27	6.2	W	7
	·890	5.45	"	6.6	E	7
926	·896	2 15 19.06	39 26	6.9	E	7
	·923	19.10	"	6.8	W	7
	·931	19.19	"	6.5	E	7
	·991	19.01	"		E	4
928	·879	2 15 35.38	35 54	6.8	W	7
	·926	35.43	"	6.8	E	7
	·989	35.35	"	7.0	W	7
930	·898	2 15 48.48	22 35	7.0	W	7
	·901	48.46	"	6.8	E	7
935	·874	2 16 40.44	50 46		W	7
	·890	40.15	"	6.8	E	7
940	·879	2 17 29.32	53 25	7.0	W	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S. 1900·00.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
940	·928	2 17 29.42	53 25	7.0	W	7
	·931	29.42	"	6.7	E	7
943	·934	2 17 52.76	48 46	6.9	W	7
	·989	52.84	"	6.7	W	7
* 942	·868	2 17 58.00	24 16		E	7
	·896	57.92	"		E	7
	·923	57.97	"		W	7
	·926	57.97	"		E	7
949	·874	2 18 20.50	49 59		W	7
	·901	20.26	"	6.7	E	7
952	·890	2 18 55.70	27 27	6.4	E	7
	·898	55.46	"	6.3	W	7
959	·868	2 20 18.84	37 49		E	7
	·879	18.89	"	6.5	W	7
	·931	18.99	"	6.3	E	7
	·934	18.74	"	6.5	W	7
	·937	18.86	"	6.5	W	7
	·945	18.98	"	6.8	E	7
966	·874	2 20 39.55	53 16		W	7
	·896	39.39	"	7.4	E	7
	·989	39.48	"	6.8	W	7
970	·901	2 21 13.77	34 30	6.7	E	7
	·923	13.74	"	7.2	W	7
974	·928	2 22 30.09	53 25	7.2	W	7
	·989	30.14	"	7.2	W	7
976	·879	2 22 59.87	46 27	6.4	W	7
	·882	59.90	"		W	7
	·926	59.97	"	6.6	E	7
	·934	59.99	"	6.5	W	7
* 978	·896	2 23 19.12	48 9		E	7
	·931	19.11	"		E	7
	·945	19.20	"		E	7
979	·868	2 23 28.48	34 21		E	7
	·898	28.49	"	6.6	W	7
985	·901	2 24 20.28	42 52	7.2	E	7
	·937	20.26	"	7.0	W	7
990	·879	2 25 0.27	24 33	6.7	W	7
	·890	0.29	"	6.5	E	7
996	·928	2 25 16.64	42 31	6.8	W	7
	·931	16.52	"		E	7
	·989	16.51	"	6.8	W	7
999	·915	2 26 0.35	33 33		E	7
	·934	0.25	"	6.7	W	7
1002	·882	2 26 31.76	33 27		W	7
	·896	31.94	"	6.6	E	7
	·937	32.03	"	6.7	W	7
	·945	31.98	"	6.8	E	7
1007	·879	2 26 57.70	51 49	6.5	W	6
	·926	57.83	"	6.8	E	7
1010	·898	2 27 15.26	46 7	6.9	W	7
	·901	15.04	"	7.1	E	7
1015	·931	2 28 4.50	27 27	6.4	E	7
	·934	4.45	"	6.5	W	7
* 1022	·882	2 28 56.68	35 5		W	7
	·890	56.81	"		E	7
	·928	56.78	"		W	7
	·937	56.72	"		W	7
	·989	56.70	"		W	7
1023	·879	2 29 22.88	33 16	7.0	W	7
	·896	22.79	"	6.7	E	7
1028	·898	2 29 56.24	33 33	6.7	W	7
	·931	56.24	"	6.6	E	7
1038	·901	2 31 7.56	42 33	6.5	E	7
	·928	7.76	"		W	7
	·934	7.71	"	6.4	W	7
	·945	7.59	"	6.8	E	7
1043	·879	2 31 59.12	24 21	6.7	W	7
	·890	59.08	"	6.8	E	7
	·937	59.12	"	6.5	W	7
1049	·882	2 32 45.40	35 45		W	7
	·896	45.39	"	6.8	E	7
1053	·898	2 33 12.81	23 26	6.2	W	7
	·931	13.11	"	6.3	E	6
* 1058	·879	2 34 6.25	52 59		W	7
	·896	6.23	"		E	5
	·901	6.21	"		E	7
	926	6.40	"		E	7
1059	·934	2 34 19.77	42 19	6.5	W	7
	·945	19.71	"	6.8	E	7
1063	·937	2 34 29.07	31 2	6.6	W	6
1070	·890	2 34 59.45	26 0	6.8	E	7
	·928	59.52	"	6.5	W	7
1072	·947	2 35 31.59	44 14	7.5	W	7
1074	·950	2 35 39.70	35 27	6.5	E	7
1082	·882	2 35 56.38	49 35		W	7
* 1086	·898	2 36 43.17	40 17		W	7
	·915	43.17	"		E	7
	·934	43.13	"		W	7
	·937	43.23	"		W	7
1088	·879	2 37 0.21	41 44	6.3	W	7
	·896	0.06	"	6.8	E	6
1092	·901	2 37 34.16	39 1	7.4	E	7
1102	·890	2 38 20.78	42 58	7.0	E	7
	·947	20.98	"	6.8	W	7
1107	·937	2 38 48.41	31 30	6.6	W	7
	·950	48.57	"	6.6	E	7
* 1109	·879	2 39 21.82	14 17		W	7
	·926	21.61	"		E	7
	·931	21.72	"		E	7
	·945	21.64	"		E	7
1113	·915	2 39 23.88	28 19		E	6
	·934	23.95	"	6.7	W	7
1119	·896	2 39 41.73	45 5	6.7	E	7
	·898	41.80	"	6.8	W	7
1123	·953	2 40 9.78	36 44	6.8	W	7
	·956	9.70	"	6.6	E	6
1125	·901	2 40 29.90	22 35	6.2	E	7
	·937	29.94	"	6.7	W	7
1129	·890	2 41 28.22	34 17	7.0	E	7
	·928	28.20	"	6.7	W	7
	·947	28.32	"		W	3
	·950	28.20	"	6.8	E	7
1135	·931	2 41 41.24	46 43	6.4	E	6
	·934	41.30	"	6.3	W	7
	·945	41.21	"		E	7
1137	·926	2 41 50.05	40 8	6.9	E	7
	.937	49.94	"	6.8	W	6
1144	·896	2 42 54.56	41 23	7.0	E	7
	·898	54.54	"		W	7
	·953	54.57	"	7.0	W	7
	·956	54.72	"	6.8	E	7
1150	·901	2 43 56.20	31 50	6.2	E	7
	·934	56.22	"	6.4	W	7
	·945	56.19	"		E	7
1151	·915	2 44 23.42	34 12		E	7
	·937	23.43	"	6.4	W	7
* 1154	·890	2 44 54.39	32 50		E	7
	·926	54.29	"		E	7
	·928	54.23	"		W	7
	·947	54.45	"		W	7
	·950	54.27	"		E	7
	·953	54.40	"		W	7
	·958	54.30	"		W	7
1158	·896	2 45 21.81	45 30	6.4	E	7
	·898	21.75	"	6.5	W	7
	·956	21.88	"	6.4	E	7
1167	·879	2 47 7.86	30 51	6.7	W	7
	·901	7.78	"	6.5	E	7
	·945	7.88	"		E	7
	·953	7.90	"	6.8	W	7
1170	·915	2 47 17.44	41 23		E	7
	·934	17.44	"	6.5	W	7
	·937	17.44	"	6.4	W	7
	·950	17.44	"	6.5	E	7
1180	·890	2 48 38.11	50 17	7.0	E	7
	.896	38.35	"	6.5	E	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
1180	·931	2 48 38.30	50 17	6.3	E	7
	·958	38.52	"	6.6	W	7
1179	·898	2 48 47.98	22 30	6.3	W	7
	·926	47.94	"	6.4	E	7
	·956	48.16	"	6.3	E	7
1192	·879	2 50 13.27	45 1		W	7
	.945	13.27	"		E	7
	·947	13.42	"		W	7
1194	·915	2 50 24.69	31 18		E	7
	·934	24 55	"	6.4	W	7
	·950	24.58	"	6.5	E	7
	·953	24.60	"	6 6	W	7
1198	901	2 50 43.08	33 56	6.3	E	7
	·937	43.14	"	6.3	W	7
1202	·926	2 50 51.91	51 17	6.6	E	6
	·931	52.02	"	6.4	E	7
1203	·956	2 50 55.23	51 15	7.0	E	7
	·958	55.28	"	7.0	W	7
1207	·890	2 51 45.77	26 36		E	7
	·898	45.51	"	6.5	W	7
1212	·879	2 52 14.82	51 40	7.0	W	7
	·896	14.86	"	7.5	E	6
1221	·915	2 52 53.23	36 42		E	7
	·934	53.37	"	6.5	W	7
	·953	53.55	"	6.8	W	7
1224	·901	2 53 13.79	36 50	6.6	E	7
	·937	13.84	"	6.6	W	7
	·958	13.97	"	6.9	W	7
* 1230	·896	2 54 28.14	40 42		E	7
	·931	28.11	"		E	7
	·945	28.03	"		E	7
	·950	28.12	"		E	7
	·956	28.21	"		E	7
1232	·879	2 54 39.01	38 24	6.5	W	7
	·890	39.15	"	6.8	E	7
1235	·898	2 54 57.66	34 35	6.2	W	7
	·926	57.67	"	6.4	E	7
1238	·915	2 55 21.11	44 8		E	7
	·934	21.11	"	6.5	W	7
1242	·953	2 55 43.47	52 30	7.5	W	7
	·958	43.45	"	7.4	W	7
1247	·879	2 56 24.98	42 16	6.4	W	5
	·901	25.02	"	6.5	E	7
	·945	24.76	"		E	6
1252	·931	2 56 57.90	33 30	6.6	E	7
	·937	57.88	"		W	7
	·950	57.90	"		E	7
	·956	57.94	"	6.8	E	7
* 1258	·890	2 57 59.02	24 1		E	6
	·898	58.83	"		W	7
	·953	58.87	"		W	7
	·958	58.98	"		W	7
1261	·896	2 58 30.23	47 57	6.8	E	5
	·934	30.20	"	6.8	W	7
* 1263	·901	2 59 30.68	47 22		E	7
	·915	30.69	"		E	7
	·931	30.65	"		E	7
	·937	30.64	"		W	7
	·945	30.60	"		E	7
	·956	30.72	"		E	7
1264	·879	2 59 50.18	44 27	7.0	W	7
	·926	50.16	"	7.2	E	7
1268	·947	3 0 47.34	48 15		W	7
	·950	47.29	"	6.6	E	7
* 1272	·896	3 1 15 39	60 8		E	5
1273	·931	3 1 25.24	51 43	6.8	E	7
	·953	25.28	"	6.8	W	7
1274	·898	3 1 34.40	41 22	6.5	W	7
	·958	34.59	"	6 8	W	7
1278	·879	3 1 46.54	53 13	6.5	W	7
	·956	46.55	"	7.1	E	7
1283	·901	3 2 28.36	30 22	6.4	E	7
	·926	28.40	"	6.7	E	7
1283	·934	3 2 28.41	30 22	6.5	W	7
	·945	28.44	"		E	7
1287	·915	3 3 7.02	32 44		E	7
	·937	7.14	"		W	7
	·950	7.03	"	6.7	E	7
1290	·879	3 3 46.50	30 42	6.5	W	7
	·887	46.49	"		W	7
	·890	46.55	"		E	7
	·931	46.53	"	6.5	E	7
	·958	46.56	"	6.6	W	7
1291	·896	3 4 28.93	25 16	6.4	E	7
	·898	28.82	"	6.4	W	7
	·953	28.92	"	6.7	W	7
	·956	28.91	"	6.9	E	7
1293	·926	3 4 55.41	27 6		E	7
	·934	55.50	"	6.6	W	7
	·945	55.54	"		E	7
	·947	55.39	"	6.9	W	7
1300	·879	3 6 7.32	49 21	6.8	W	7
	·887	7.24	"		W	7
	·901	7.30	"	7.3	E	7
	·931	7.28	"	7.0	E	7
	·958	7.42	"	7.0	W	7
1307	·890	3 6 56.25	51 13	7.1	E	7
	·898	56.46	"	6.9	W	7
	·937	56.31	"	7.0	W	7
	·953	56.75	"	6.7	W	7
1318	·934	3 7 40.54	46 44	6.6	W	7
	·950	40.61	"	6.5	E	5
	·956	40.50	"	6.8	E	7
* 1317	·896	3 7 49.28	29 23		E	7
	·915	49.33	"		E	7
	·947	49.28	"		W	7
1321	·879	3 8 10.97	39 45	6.5	W	7
	·887	10.96	"		W	6
	·926	10.89	"	6.5	E	7
1325	·931	3 8 31.54	40 47	6.6	E	7
	·937	31.44	"	6.7	W	7
	·958	31.43	"	6.4	W	7
1329	·901	3 9 6.44	27 57		E	7
	·953	6.42	"	6.4	W	7
1338	·890	3 10 1.40	49 42	7.2	E	7
	·898	1.56	"	7.1	W	7
	·956	1.45	"	6.9	E	7
1342	·896	3 10 28.50	40 38	6.6	E	7
	·934	28.45	"	6.6	W	7
	·950	28.31	"	6.7	E	7
* 1344	·879	3 10 44.14	35 56		W	7
	·947	44.08	"		W	7
	·958	44.07	"		W	7
1346	·926	3 11 0.08	28 43	6.7	E	7
1349	·931	3 11 26.83	44 29	6.8	E	7
	·953	26.85	"	6.8	W	7
1353	·915	3 11 42.91	40 8		E	7
	·945	43.03	"		E	7
1355	·901	3 11 46.44	50 55	7.0	E	7
	·956	46.50	"	6.7	E	7
1361	·879	3 12 49.18	31 43	6.5	W	7
	·890	49.29	"	6.5	E	7
1366	·896	3 13 5.75	41 38	6.7	E	7
	·898	5.76	"	6.7	W	7
	·934	5.81	"	6.9	W	7
	·950	5.76	"	6.9	E	7
	·958	5.90	"	7.0	W	7
1368	·931	3 13 33.46	26 43	6.6	E	7
	·937	33.41	"	6.3	W	6
	·947	33.37	"	6.9	W	7
1375	·926	3 14 23.49	38 45	7.3	E	7
	·953	23.57	"	7.0	W	7
1381	·879	3 15 21.82	35 22		W	7
	·901	21.84	"	6.6	E	7
	·958	21.79	"	6.5	W	7
1383	·950	3 15 34.71	51 40	7.0	E	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898, +	R. A. 1900·00.	Decl. S.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
1383	·965	3 15 34.50	51 40	7.0	E	5
* 1384	·890	3 15 55.74	43 27		E	7
	·896	55.69	"		E	7
	·898	55.73	"		W	7
	·934	55.80	"		W	7
1386	·931	3 15 59.11	34 22	6.6	E	7
	·947	59.08	"	6.8	W	7
1388	·915	3 16 27.55	26 39		E	7
	·937	27.62	"	6.3	W	7
	·945	27.71	"		E	7
	·953	27.59	"	6.5	W	7
1406	·896	3 18 51.91	47 7		E	7
	·898	51.93	"	6.5	W	7
	·931	51.91	"	6.3	E	7
	·934	51.84	"		W	7
	·950	51.89	"	6.3	E	7
	·958	51.91	"	6.2	W	7
1409	·879	3 19 27.33	28 17	6.3	W	7
	·890	27.30	"	6.4	E	7
	·937	27.19	"	6.6	W	7
	·953	27.20	"	6.4	W	7
1414	·901	3 19 54.57	40 26	6.5	E	7
	·945	54.43	"	6.5	E	7
	·947	54.65	"	6.7	W	7
1416	·915	3 20 10.70	37 31		E	7
1421	·926	3 21 8.12	46 12	7.1	E	7
	·950	8.23	"	6.9	E	7
	·958	8.28	"	6.8	W	7
1424	·931	3 21 24.04	37 30	6.5	E	7
	·947	24.30	"	6.7	W	7
1427	·898	3 21 48.81	38 40		W	7
	·937	48.70	"	6.7	W	7
	·945	48.73	"		E	6
	·953	48.76	"	6.7	W	7
1434	·934	3 22 32.81	52 44	7.0	W	5
	·956	32.73	"	6.9	E	7
1443	·890	3 23 55.22	40 14	6.5	E	7
	·901	55.14	"	6.4	E	7
	·931	55.08	"	6.6	E	7
	·937	55.20	"	6.4	W	7
	·947	55.17	"	6.7	W	7
	·953	55.16	"	6.7	W	7
1449	·896	3 24 57.09	34 0		E	7
	·898	57.23	"	6.4	W	7
	·926	57.24	"	6.4	E	7
	·945	57.28	"	6.5	E	7
	·950	57.17	"	6.4	E	7
	·975	57.10	"	6.8	W	7
1456	·915	3 25 56.19	42 49		E	7
	·934	56.22	"	6.8	W	7
	·956	56.03	"		E	7
	·958	56.18	"	6.7	W	7
1459	·890	3 26 28.91	28 16	6.8	E	7
	·931	28.90	"	6.7	E	7
	·937	28.80	"	6.8	W	7
	·953	28.84	"	7.0	W	7
1462	·901	3 27 27.68	33 53		E	7
	·945	27.65	"		E	7
	·950	27.71	"	6.3	E	7
	·975	27.64	"	6.7	W	7
1466	·898	3 28 7.88	24 57		W	7
	·926	8.01	"		E	7
* 1467	·896	3 28 13.09	9 48		E	7
	·915	13.06	"		E	7
	·934	13.17	"		W	7
* 1471	·901	3 29 22.28	21 58		E	7
	·945	22.19	"		E	7
* 1474	·890	3 29 35.61	50 43		E	7
	·931	35.66	"		E	7
	·937	35.68	"		W	5
	·947	35.61	"		W	7
	·950	35.64	"		E	7
	·953	35.66	"		W	7
* 1474	·958	3 29 35.74	50 43		W	7
1477	·975	3 29 54.35	31 25	6.5	W	7
1483	·934	3 30 37.38	35 10	6.5	W	7
	·956	37.29	"	6.8	E	7
1486	·898	3 31 17.00	36 16	6.7	W	7
	·926	17.01	"	6.8	E	7
1492	·953	3 31 33.42	54 51	6.8	W	7
1495	·901	3 32 13.50	49 45		E	7
	·931	13.63	"	7.1	E	7
	·950	13.68	"	7.0	E	7
	·958	13.57	"	6.8	W	7
	·975	13.61	"	7.0	W	7
1503	·956	3 32 51.62	52 53	7.2	E	7
1502	·890	3 33 4.09	30 9	6.6	E	7
	·934	4.08	"	6.5	W	7
	·947	4.01	"	6.5	W	7
* 1508	·898	3 33 30.26	40 36		W	6
	·915	30.38	"		E	7
	·926	30.25	"		E	7
1513	·953	3 33 54.19	50 17	6.8	W	7
1517	·950	3 34 20.36	53 24	7.4	E	7
	·958	20.40	"	6.6	W	7
1523	·931	3 35 16.10	49 42	6.8	E	7
	·934	16.11	"	6.7	W	7
	·956	16.06	"		E	7
	·975	16.22	"	6.7	W	7
1528	·890	3 36 10.94	34 52	6.9	E	7
	·898	10.86	"	6.7	W	7
	·937	10.92	"	6.9	W	7
	·953	10.87	"	6.7	W	7
1535	·901	3 36 40.61	28 18		E	7
	·947	40.37	"	6.4	W	7
1537	·926	3 36 55.16	43 34	6.5	E	7
	·945	55.22	"		E	7
	·958	55.33	"	6.4	W	7
1542	·931	3 37 41.24	24 58	6.5	E	7
	·934	41.24	"	6.5	W	7
1545	·950	3 37 54.27	42 4	6.8	E	7
* 1547	·975	3 38 16.17	32 15		W	7
* 1548	·890	3 38 27.55	10 7		E	7
	·898	27.27	"		W	6
	·901	27.34	"		E	5
	·937	27.42	"		W	7
	·953	27.34	"		W	7
	·956	27.38	"		E	7
1555	·958	3 38 56.29	46 17	6.1	W	7
1562	·926	3 39 30.86	51 7		E	6
	·931	30.89	"	6.8	E	7
1564	·950	3 40 10.85	50 59	6.5	E	7
	·975	10.79	"	6.7	W	7
1566	·915	3 40 27.59	38 36		E	4
	·934	27.48	"	6.5	W	7
	·953	27.46	"	6.3	W	7
1568	·937	3 40 50.58	42 13	6.8	W	7
	·945	50.71	"		E	7
	·956	50.58	"	7.0	E	7
1576	·890	3 41 40.20	30 24	7.0	E	7
	·898	40.12	"	7.0	W	7
	·958	40.29	"	7.0	W	7
1590	·931	3 42 29.30	25 10	6.7	E	7
	·934	29.29	"	6.6	W	7
* 1591	·901	3 42 32.82	23 33		E	4
	·926	32.73	"		E	7
	·950	32.70	"		E	7
	·975	32.70	"		W	7
1595	·945	3 42 58.17	30 22		E	7
	·953	58.00	"	6.5	W	7
	·958	58.19	"	6.5	W	7
1600	·956	3 43 47.31	26 38	6.6	E	7
1610	·931	3 44 33.85	50 22	6.9	E	7
	·975	33.90	"	6.8	W	7
1609	·898	3 44 48.12	26 20	6.2	W	7
1613	·901	3 45 14.28	40 42		E	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S. 1900·00.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
1613	·934	3 45 14.19	40 42	6.7	W	7
	·953	14.27	"	6.6	W	7
	·958	14.32	"	6.4	W	7
1615	·926	3 45 36.08	36 24	6.5	E	7
	·937	36.03	"	6.2	W	7
	·945	35.97	"		E	7
1637	·931	3 46 52.96	52 23	6.4	E	7
	·958	53.08	"	6.5	W	4
1634	·915	3 46 53 50	36 44		E	6
	·956	53.57	"	6.5	E	7
	·975	53.43	"	6.4	W	6
1643	·898	3 47 46.14	44 40	6.8	W	7
	·926	46.14	"	7.1	E	6
	·947	46.11	"		W	7
1646	·901	3 48 36.86	47 37	6.6	E	7
	·934	37.02	"	6.4	W	7
	·945	37.03	"		E	7
	·950	37.05	"	6.7	E	7
1652	·931	3 49 26.05	45 15	6.6	E	7
	·937	25.91	"	6.7	W	7
	·953	26.11	"	6.6	W	7
	·956	25.99	"	6.7	E	7
1658	·915	3 49 59.25	41 31		E	7
	·947	59.40	"	6.3	W	7
	·958	59.42	"	6.4	W	7
1669	·926	3 51 23.90	26 13	6.5	E	7
	·934	23.91	"	6.7	W	7
1677	·931	3 51 48.98	38 16	6.7	E	7
	·937	48.89	"		W	7
	·945	49.06	"		E	7
* 1680	·898	3 52 56.32	52 59		W	7
	·901	56.22	"	6.3	E	7
	·950	56.35	"		E	7
	·953	56.33	"		W	7
	·956	56.26	"		E	7
1682	·958	3 53 5.35	40 12	6.7	W	7
* 1683	·947	3 53 21.67	13 48		W	7
1687	·934	3 53 31.06	40 20	6.5	W	7
1690	·931	3 54 3.34	50 3	6.8	E	7
	·953	3.34	"	6.8	W	7
1691	·898	3 54 45.10	46 40	7.0	W	7
	·937	44.89	"	7.0	W	7
	·950	45.00	"	7.3	E	7
	·956	44.93	"	6.9	E	7
* 1693	·901	3 55 39.57	24 18		E	7
	·915	39.66	"		E	7
	·934	39.64	"		W	7
	·945	39.60	"		E	7
1695	·926	3 55 39.81	42 34	6.9	E	7
	·947	39.72	"	7.1	W	7
	·958	39.99	"	6.8	W	7
1699	·931	3 56 40.04	42 40	6 5	E	7
	·953	40.05	"	6.6	W	7
	·975	40.05	"	6.5	W	7
1701	·937	3 57 10.96	26 48	6.6	W	7
	·950	11.02	"	6.7	E	7
1705	·956	3 57 27.20	54 27	6.9	E	7
1709	·898	3 57 54.36	44 44	7.4	W	6
	·926	54.44	"	7.1	W	7
	·958	54.47	"	7.0	E	7
1714	·901	3 58 35.30	27 46	6.7	E	7
	·934	35.40	"	6.8	W	7
	·945	35.45	"		E	7
1720	·931	3 58 58.79	38 40	7.0	E	7
	·947	58.89	"		W	7
1724	·937	3 59 3.98	44 56	7.0	W	7
	·975	4.07	"	7.3	W	7
1729	·950	3 59 45.92	44 40	6.9	E	7
	·956	45.91	"	7.0	E	7
	·958	45.94	"	6.8	W	7
1738	·934	4 0 41.37	48 8	6.4	W	7
	·947	41.37	"	6.4	W	6
* 1744	·898	4 1 30.11	27 56		W	7
* 1744	·915	4 1 30.10	27 56		E	7
	·926	30.13	"		E	7
	·931	30.03	"		E	7
	·945	29.99	"		E	7
1749	·901	4 1 36.01	44 56	7.0	E	7
	·937	36.09	"	6.9	W	7
	·975	36.12	"	6.8	W	7
1752	·950	4 2 26.83	45 56	6.8	E	7
	·958	26.96	"	6.5	W	7
1757	·901	4 3 59.12	37 20		E	6
	·931	59.06	"	6.2	E	7
	·934	59.16	"	6.3	W	7
	·947	59.16	"		W	7
1762	·926	4 4 48.17	25 17	6.8	E	7
	·937	48.13	"	7.0	W	7
	·975	48.10	"	6.9	W	7
1765	·950	4 4 53.98	43 7	7.1	E	7
	·953	53.93	"	7.2	W	7
	·958	54.00	"	7.0	W	7
1770	·945	4 5 44.33	33 14		E	4
	·956	44.35	"	6.5	E	7
1771	·931	4 6 17.41	34 45	6.5	E	7
	·934	17.46	"	6.6	W	7
1777	·901	4 7 2.75	35 32	6.3	E	7
	·937	2.67	"	6.1	W	7
	·958	2.75	"	6.3	W	7
	·975	2.70	"	6.3	W	7
1779	·926	4 7 3.94	40 48	6.8	E	7
	·947	3.76	"		W	7
	·953	3.98	"	7.0	W	7
1782	·931	4 8 33.41	24 5	6.3	E	7
	·934	33.50	"	6.4	W	7
	·950	33.40	"	6.5	E	7
1788	·937	4 9 11.94	33 3	6.4	W	7
	·956	12.02	"	6.6	E	7
1792	·958	4 9 24.43	52 41	6.9	W	7
	·975	24.48	"	7.0	W	7
1794	·953	4 9 32.47	53 40	6.6	W	7
1799	·926	4 10 20.17	37 17	6.5	E	7
	·947	20.19	"		W	7
* 1802	·901	4 10 41.26	42 32		E	7
	·915	41.17	"		E	7
	·931	41.20	"		E	7
	·950	41.20	"		E	7
1804	·934	4 11 6.66	41 9	6.7	W	7
	·956	6.61	"	6.4	E	7
1807	·975	4 12 11.65	51 51	6.3	W	6
1810	·937	4 12 19.12	35 31	6.8	W	7
	·953	19.21	"	6.9	W	7
* 1817	·926	4 13 24.39	51 44		E	7
	·931	24.31	"		E	7
	·934	24.22	"		W	7
	·950	24.27	"		E	7
	·956	24.42	"		E	7
	·958	24.26	"		W	7
	·975	24.25	"		W	7
1821	·901	4 14 5.28	34 26	6.8	E	7
* 1822	·937	4 14 6.54	34 3		W	7
	·947	6.64	"		W	7
1826	·953	4 15 2.03	34 22	6.9	W	7
1834	·934	4 15 48.10	48 50	7.1	W	7
	·950	48.22	"	6.9	E	7
* A.80	·926	4 16 17.26	20 53		E	7
	·937	17.17	"		W	7
	·956	17.39	"		E	7
1843	·958	4 16 27.50	42 12	6.9	W	7
	·975	27.37	"	7.0	W	7
1849	·901	4 17 10.96	34 58	6.8	E	7
	·947	10.93	"		W	7
	·953	11.06	"	6.9	W	7
1854	·931	4 18 15.48	49 3	6.9	E	7
	·934	15.53	"	6.8	W	7
1858	·937	4 18 33.25	41 27	6.9	W	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
1858	·950	4 18 33.34	41 27	6.9	E	7
	·975	33.37	"	6.8	W	7
1862	·953	4 19 27.18	32 23	6.5	W	7
	·956	27.25	"	6.5	E	7
1865	·926	4 20 11.24	34 59	7.1	E	7
	·947	11.38	"		W	7
1868	·931	4 20 33.14	43 41	7.0	E	7
	·934	33.07	"	6.8	W	7
1872	·901	4 20 48.25	40 17	6.7	E	7
	·937	48.12	"	6.7	W	7
	·975	48.30	"	6.7	W	7
1880	·950	4 21 43.91	35 54	6.8	E	7
	·953	43.86	"	6.8	W	7
1885	·958	4 22 13.21	50 51	6.7	W	7
1883	·947	4 22 15.06	40 4	7.0	W	7
	·956	15.14	"	7.0	E	7
1896	·931	4 22 53 69	52 10	7.2	E	7
	·934	53.70	"		W	7
	·975	53.73	"	7.0	W	7
1900	·901	4 23 51.15	32 38	6.6	E	7
	·937	51.09	"	6.5	W	7
	·953	51.10	"	6 3	W	7
1907	·926	4 24 38.01	29 59	7.0	E	7
	·947	37.98	"	6.7	W	7
	·950	38.06	"	6.9	E	7
1911	·958	4 24 46.93	39 2		W	7
	·975	46.99	"	6.8	W	7
1914	·934	4 25 2.38	53 38	7.3	W	6
	·956	2.36	"	7.3	E	7
1920	·931	4 26 0.76	42 25	7.0	E	7
	·937	0.91	"	7.0	W	7
1927	·950	4 26 46.14	39 12	6.4	E	6
	·953	46.06	"	6.5	W	7
1931	·926	4 26 58.10	41 53	6.8	E	7
	·947	58.03	"		W	6
	·975	58.07	"	6.8	W	7
1943	·956	4 27 36.97	35 59	6.7	E	7
	·958	36.90	"	6.5	W	7
* 1947	·901	4 27 46.27	45 10		E	7
	·934	46.33	"		W	7
1948	·931	4 28 6.39	29 1	6.7	E	7
	·937	6.43	"	6.4	W	7
1956	·950	4 29 18.98	35 55	6.9	E	7
	·953	18.91	"	6.9	W	7
	·958	18.99	"	6.8	W	7
1961	·926	4 29 32.01	38 30		E	7
	·975	31.94	"	6.7	W	7
1966	·931	4 30 26.20	24 15	6.3	E	7
	·934	26.38	"	6.2	W	7
1968	·937	4 30 45.56	25 15	6.6	W	5
	·956	45.64	"	6.7	E	7
1971	·901	4 30 52.48	33 51	6.8	E	7
1980	950	4 31 16.90	35 47	6.5	E	7
* 1981	·947	4 31 39.74	30 46		W	7
	953	39.66	"		W	7
* 1983	·958	4 31 50.02	55 15		W	7
	·975	50.06	"		W	7
1991	·934	4 33 2 04	45 20	6.7	W	7
	·956	2.01	"	6.5	E	7
* 1993	·931	4 33 35.94	14 30		E	7
	·937	35.93	"		W	7
	·950	35.91	"		E	7
	·953	36.03	"		W	7
2002	·958	4 34 32.34	52 2	7.2	W	7
	·975	32.46	"		W	6
2005	·901	4 35 6.34	44 49	6.9	E	7
* 2008	·934	4 35 57.21	24 41		W	7
	·947	57.18	"		W	7
	·953	57.15	"		W	7
	·956	57.21	"		E	7
2011	·931	4 36 42.60	28 23	6.7	E	7
	·937	42.71	"	6.7	W	7
* 2017	·901	4 37 20.26	42 3		E	7
* 2017	·958	4 37 20.35	42 3		W	7
	·975	20.42	"		W	7
2022	·934	4 37 51.02	45 59	6.8	W	7
2025	·953	4 38 5.41	45 54	7.5	W	7
2031	·937	4 38 38.01	37 48		W	7
	·956	38.08	"	6.5	E	7
2042	·931	4 39 15.04	39 3	7.3	E	7
	·958	15.17	"	7.0	W	7
2044	·901	4 40 13.89	27 46	6.5	E	7
	·934	13.97	"	6.6	W	7
2048	·953	4 40 16.92	41 56	6.8	W	7
	·975	16.87	"	6.6	W	7
2055	·956	4 41 0.81	50 4	7.2	E	7
2065	·931	4 41 54.75	52 49		E	7
	·958	54.78	"	6.9	W	7
2070	·934	4 42 50.66	35 59	6.7	W	7
	·937	50.52	"	6.8	W	7
	·975	50.59	"	6.8	W	7
2078	·953	4 43 26.35	42 16	6.7	W	7
	·956	26.31	"	6.6	E	7
2085	·958	4 44 36.35	46 46	6.8	W	7
2091	·934	4 45 31.35	34 29	6 5	W	7
	·937	31.35	"		W	6
	·975	31.33	"	6.3	W	7
2099	·953	4 45 59.81	42 33		W	7
	·956	59.77	"	6.5	E	7
2113	·958	4 47 2.65	38 44	6.5	W	7
2125	·953	4 48 17.50	38 47	6.8	W	7
	·956	17.46	"	6.8	E	7
2127	·975	4 48 22.00	52 48	7.0	W	7
2135	·958	4 49 11.25	47 1	6.5	W	7
2140	·953	4 50 37.54	38 20	6.3	W	7
	·956	37.63	"	6.3	E	7
2142	·958	4 51 15.92	30 27	6.7	W	7
	·975	15.98	"	6.7	W	7
2156	·953	4 52 46.03	39 6	6.8	W	7
	·956	46.00	"	6.7	E	7
2162	·958	4 53 48.14	44 21	6.7	W	7
	·975	48.25	"	6.9	W	7
2173	·953	4 55 11.29	28 36	7.0	W	7
	·956	11.32	"	6.6	E	7
2181	·958	4 55 50.32	37 2	6.4	W	7
2184	·975	4 56 20.01	36 46	6.8	W	7
2191	.956	4 56 52.78	41 12	6.8	E	7
2198	·953	4 58 3.98	39 4	7.1	W	7
2204	·958	4 58 21.76	46 5	7.0	W	7
2206	·956	4 58 38.35	39 13	7.0	E	7
	·975	38.34	"	7.0	W	7
2212	·953	4 59 53.45	42 38	6.3	W	7
* 2225	·956	5 1 13.64	22 30		E	7
	·958	13.60	"		W	7
	·975	13.65	"		W	7
* 2232	·953	5 2 22.48	49 43		W	7
2244	·958	5 3 40.62	20 15	6.7	W	7
	·975	40.61	"	6.9	W	7
2250	·953	5 4 28.03	44 57	6.3	W	7
	·956	27.95	"	6.4	E	7
2261	·958	5 5 57.62	42 9	6.6	W	7
	·975	57.65	"	6.8	W	7
2264	·953	5 6 40.85	26 2	6.3	W	7
	·956	40.71	"	6.3	E	7
2281	·975	5 7 57.07	53 39	7.0	W	7
* 2282	·958	5 8 26.38	16 20		W	7
2287	·953	5 8 51.74	27 18	6.7	W	7
	·956	51.62	"		E	7
2305	·958	5 10 46.64	47 59	6.9	W	7
	·975	46.66	"	7.0	W	7
2332	·958	5 13 17.42	48 48	6.8	W	7
	·975	17.48	"	6.9	W	7
* 2347	·975	5 15 24.45	27 28		W	7
2366	·975	5 18 9.43	39 36	6.9	W	7
2394	·975	5 20 31.06	34 30	6.7	W	7
2418	.975	5 22 37.88	47 11	6.9	W	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S. 1900·00.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
2437	·975	5 24 25.51	39 18	6.3	W	7
* 2461	·975	5 27 24.42	47 9		W	7
* 8696	·685	15 54 25.04	22 20		W	7
* 9852	·685	17 59 22.93	30 26		E	7
* 9932	·685	18 7 46.92	21 5		E	7
*10015	·685	18 17 32.00	34 26		E	7
*10049	.685	18 21 47.86	25 29		E	7
10490	·641	19 15 43.86	29 43		E	6
10499	·621	19 17 13.46	43 55		E	7
10506	·632	19 17 46.81	44 23		W	6
10511	·641	19 18 45.99	29 30		E	7
10513	·621	19 19 21.52	46 47		E	6
	630	21.43	"		W	7
*10515	·619	19 19 46.17	54 31		W	7
A.G.C. 26626	·641	19 20 49.19	29 31		E	7
10523	·632	19 20 50.10	40 18		W	3
10530	·621	19 22 8.63	36 12		E	7
	·630	8.55	"		W	7
10542	·621	19 24 46.32	42 38		E	7
10553	·641	19 26 6.65	31 5		E	7
10560	·621	19 27 10.44	34 25		E	7
	·630	10.46	"		W	7
10573	·641	19 29 17.15	37 2		E	7
10581	·621	19 30 9.54	32 55		E	7
	·630	9.49	"		W	3
*10584	·619	19 30 37.28	25 6		W	7
10589	·641	19 31 33.16	33 8		E	7
10598	·632	19 33 6.89	39 40		W	7
*10613	·619	19 34 59.62	16 31		W	7
	·630	59.65	"		W	2
10615	·632	19 35 34.92	36 52		W	7
10624	·621	19 37 32.37	41 51		E	7
	·630	32.31	"		W	7
10636	·621	19 39 38.38	32 11		E	7
	·630	38.39	"		W	7
10639	·641	19 40 12.61	32 11		E	6
A.G.C. 27098	·630	19 41 34.07	38 6	7.0	W	7
10658	·621	19 42 53.37	38 2		E	7
	·630	53.33	"		W	7
10662	·641	19 43 39.92	46 37		E	6
10680	·621	19 45 31.78	27 20		E	7
	·630	31.68	"		W	7
10684	·641	19 46 22.44	32 14		E	7
*10696	·619	19 48 21.78	42 8		E	7
	·630	21.77	"		W	7
	·685	21.86	"		E	7
10709	·632	19 50 29.18	52 10		W	7
10716	·621	19 51 0.78	38 19		E	7
10722	·641	19 51 48.05	46 22		E	5
10733	·632	19 53 15.01	49 53		W	7
10742	·621	19 53 50.12	44 15		E	7
	·630	50.31	"		W	7
*10762	·619	19 56 30.57	27 59		E	5
	·630	30.64	"		W	6
	·660	30.61	"		E	7
	·685	30.67	"		E	6
10794	·660	20 1 10.22	40 8		E	7
10799	·621	20 2 28.95	44 12		E	7
10803	·630	20 3 8.23	44 11		W	7
10823	·621	20 6 20.22	48 1		E	7
	·630	20.51	"		W	7
10830	·676	20 6 56.54	38 45		W	7
10836	·621	20 9 27.95	41 47		E	7
	·630	27.98	"		W	7
10841	·660	20 9 59.79	35 31		E	7
10855	·630	20 11 45.82	48 1		W	7
10859	·621	20 12 6.47	47 53		E	7
*10864	·619	20 12 30.38	12 52		E	7
	·660	30.21	"		E	5
10887	·621	20 15 22.27	49 11		E	6
	·630	22.45	"		W	7
*10888	·619	20 15 23.56	15 6		E	7
	·660	23.53	"		E	7

No.	1898. +	R. A. 1900·00.	Decl. S. 1900·00.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
10890	·676	20 16 26.94	54 52		W	7
	·781	26.93	"	7.0	E	7
*10899	·630	20 17 44.28	57 3		W	7
	·712	44.26	"		W	7
	·781	44.24	"		E	5
	·783	44.26	"		W	6
*10909	·781	20 19 19.56	28 59		E	3
10927	·660	20 22 10.95	34 45		E	7
	·676	10.97	"		W	7
*10934	·619	20 23 9.32	18 9		W	7
	·630	9.50	"		W	7
	·685	9.52	"		E	7
	·778	9.37	"		E	7
	·781	9.39	"		E	7
	·783	9.48	"		W	7
10949	·650	20 26 30.34	31 43		E	5
	·676	30.20	"		W	7
10950	·712	20 26 41.83	41 51	6.8	W	7
	·778	41.63	"	6.5	E	7
	·781	41.70	"	6.5	E	7
	·783	41.91	"	6.5	W	7
10974	·712	20 29 35.20	45 54	7.0	W	7
	·778	35.10	"	6.5	E	7
	·781	35.14	"	6.7	E	7
	·783	35.16	"	6.7	W	7
*10981	·619	20 30 32.04	47 38		W	7
10995	·630	20 32 9.93	24 35		W	7
	·781	9.83	"	6.5	E	7
11001	·712	20 33 24.03	47 11	7.0	W	7
	·778	23.90	"	6.9	E	7
*11008	·660	20 34 3.59	33 47		E	7
	·781	3.47	"	6.0	E	6
	·783	3.54	"	6.0	W	7
	·786	3.41	"		W	6
11016	·730	20 34 48.25	28 54		W	7
	·800	48.32	"		W	7
11024	·800	20 35 42.26	29 7		W	6
*11027	·712	20 36 41.81	52 17		W	7
11032	·660	20 37 10.73	29 46		E	4
	·781	10.83	"	6.5	E	7
	·783	10.92	"	6.5	W	7
11035	·778	20 37 45.64	50 51		E	7
Anon	·676	20 37 56.52	50 52		W	7
11038	·630	20 37 52.71	32 17		W	7
	·699	52.63	"	7.0	E	7
11051	·712	20 40 11.36	50 55		W	6
	·778	11.13	"		E	6
11058	·699	20 40 41.12	22 32	7.0	E	7
	·781	41.12	"	6.5	E	7
	·783	41.28	"	6.4	W	7
*11062	·778	20 41 42.41	44 21		E	5
	·786	42.43	"		W	6
*11066	·630	20 42 15.74	9 52		W	7
	·660	15.81	"		E	7
11071	·699	20 43 10.94	30 34		E	6
	·781	10.87	"	6.5	E	7
11079	·630	20 44 37.21	32 26		W	5
	·783	37.06	"	6.3	W	7
	·800	37.10	"		W	7
11082	·712	20 45 20.20	53 39		W	7
	·778	20.09	"	7.0	E	7
11087	·660	20 45 35.71	30 9		E	7
	·781	35.71	"	6.5	E	7
11098	·699	20 46 53.01	36 53		E	7
	·783	53.10	"	6.7	W	7
*11101	·712	20 47 9.82	40 11		W	7
*11107	·786	20 47 15.55	9 22		W	7
11115	·660	20 48 6.80	28 18		E	7
	·696	6.77	"		W	7
	·781	6.85	"	6.3	E	7
11134	·696	20 51 3.18	44 29		W	7
	·699	3.12	"		E	7
	·778	3.03	"	6.2	E	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00. h. m. s.	Decl. S. 1900·00. ° ′	Mag.	Posn.	Wires.
11134	·781	20 51 3.04	44 29	6.3	E	7
	·783	2.99	"	6.4	W	7
11138	·660	20 51 50.89	41 23		E	5
	·712	50.97	"	7.0	W	7
11142	·800	20 53 20.52	43 24		W	7
	·803	20.40	"	6.6	E	7
	·805	20.47	"	6.5	W	7
*11155	·660	20 55 9.57	32 39		E	7
	·696	9.52	"		W	7
	·709	9.46	"		E	7
	·781	9.44	"		E	7
	·783	9.46	"		W	7
	·786	9.56	"		W	7
11158	·712	20 55 35.53	43 23	6.5	W	7
	·800	35.63	"		W	7
11160	·803	20 55 40.56	43 23	6.3	E	7
	·805	40.53	"	6.3	W	7
11166	·778	20 56 2.35	38 55		E	7
*11171	·778	20 56 34.74	39 1		E	4
	·781	34.65	"		E	7
	·786	34.60	"		W	7
	·808	34.77	"		W	7
11173	·709	20 56 55.97	29 30	6.5	E	7
	·783	55.93	"	6.5	W	7
Anon	·805	20 57 31.87	43 22	7.5	W	7
11184	·696	20 57 46.64	43 29		W	7
	·699	46.43	"	6.5	E	7
11188	·712	20 58 55.47	43 55	7.0	W	7
	·778	55.48	"		E	7
11197	·709	21 0 1.98	37 59	6.8	E	7
	·783	2.01	"	7.0	W	7
*11204	·660	21 0 19.55	17 38		E	7
	·696	19.52	"		W	7
	·786	19.69	"		W	7
*11214	·778	21 1 16.76	25 24		E	7
11227	·709	21 3 6.52	44 37	6.2	E	7
	·712	6.53	"	6.5	W	7
11232	·696	21 3 35.36	43 48		W	7
	·699	35.19	"	6.3	E	7
11247	·699	21 6 33.54	36 10		E	7
	·712	33.43	"	7.0	W	7
11248	·709	21 6 42.41	47 58	6.4	E	7
	·803	42.59	"	6.5	E	7
	·805	42.56	"		W	7
	·808	42.61	"	6.5	W	7
11258	·660	21 7 29.20	25 15		E	6
	·696	29.12	"		W	7
*11265	·712	21 8 37.40	53 41	6.2	W	7
11268	·699	21 8 53.98	26 19		E	7
	·805	53.94	"	6.7	W	7
11272	·709	21 9 33.35	36 38	6.3	E	7
	·803	33.30	"	6.4	E	7
	·808	33.38	"	6.3	W	7
11275	·718	21 10 11.71	54 26	7.3	E	6
	·720	11.98	"	7.0	W	7
11281	·660	21 10 56.80	39 28		E	7
	·696	56.85	"	7.0	W	7
11285	·699	21 11 24.36	39 15	6.5	E	7
	·712	24.45	"	6.6	W	7
11303	·718	21 13 4.87	41 28	7.3	E	7
	·720	4.80	"	6.7	W	7
*11313	·696	21 14 21.90	41 14		W	7
	·709	21.79	"		E	7
	·712	21.90	"		W	7
	·808	21.80	"		W	7
11317	·720	21 15 5.82	52 18		W	7
	·803	5.65	"		E	5
*11330	·696	21 16 40.76	17 16		W	7
	·709	40.73	"		E	5
	·718	40.74	"		E	7
11332	·712	21 17 19.56	38 9	7.2	W	7
11342	·720	21 18 32.33	35 23	6.5	W	7
	·803	32.21	"	6.5	E	7
11349	·718	21 19 8.52	35 17	7.0	E	7
	·808	8.63	"	6.7	W	7
11353	·696	21 20 1.23	46 30	7.2	W	7
	·699	1.17	"	6.0	E	7
11357	·709	21 20 3.28	24 15	6.0	E	6
11364	·718	21 21 57.23	54 8	6.5	E	7
	·720	57.39	"	6.2	W	7
11369	·699	21 23 9.32	52 34	6.7	E	5
	·712	9.50	"	7.3	W	7
11371	·660	21 23 17.89	38 31		E	7
	·696	17.63	"	7.2	W	7
11377	·709	21 23 43.93	44 31	6.5	E	7
	·803	43.91	"	6.5	E	4
	·808	43.87	"		W	7
11380	·718	21 24 48.79	36 59	7.2	E	7
	·720	48.86	"	6.5	W	7
11386	·696	21 26 4.60	25 51		W	7
	·699	4.55	"	6.3	E	7
11387	·709	21 26 22.22	53 11	6.0	E	7
*11390	·712	21 26 54.77	45 17		W	3
	·720	54.76	"		W	7
	·808	54.73	"		W	7
	·883	54.81	"		W	7
11398	·696	21 28 32.18	37 6	6.5	W	7
	·699	32.01	"		E	5
11400	·709	21 29 10.66	34 46	6.5	E	7
11404	·718	21 29 50.23	21 17	7.0	E	7
	·882	50.28	"		W	7
11415	·696	21 31 14.33	46 2	6.9	W	7
	·709	14.31	"	6.5	E	7
*11421	·882	21 32 25.66	8 19		W	7
	·885	25.70	"		E	7
11420	·718	21 32 31.21	30 5	7.0	E	7
	·720	31.29	"	6.9	W	7
11439	·696	21 34 13.23	41 38	6.6	W	7
	·709	13.18	"	6.5	E	7
11440	·882	21 34 26.31	34 58		W	6
	·885	26.45	"		E	6
11446	·718	21 35 41.71	32 59	6.4	E	7
	·720	41.75	"	6.4	W	7
	·808	41.92	"	6.3	W	7
11459	·696	21 36 55.24	54 26		W	6
	·709	54.89	"	7.0	E	6
11466	·720	21 38 20.27	39 0	6.2	W	7
	·808	20.26	"		W	7
11468	·882	21 38 41.14	49 58		W	7
	·885	41.16	"		E	7
*11472	·718	21 38 59.41	33 29		E	7
11475	·696	21 39 44.87	47 52	6.8	W	7
	·709	44.67	"	7.0	E	7
*11484	·720	21 41 31.26	16 35		W	7
	·808	31.30	"		W	7
	·885	31.38	"		E	7
11485	·718	21 41 40.60	39 59	7.0	E	7
	·882	40.70	"		W	7
11492	·696	21 42 5.01	48 14	6.4	W	7
	·709	5.01	"	6.8	E	7
11499	·740	21 43 57.34	39 5	6.6	W	7
	·882	57.25	"		W	7
11504	·718	21 44 52.67	53 12	7.5	E	6
	·720	52.71	"	7.3	W	7
11508	·696	21 44 59.71	28 24	6.5	W	7
	·709	59.79	"	6.5	E	7
11514	·740	21 46 9.75	41 53	6.5	W	7
	·808	9.86	"	6.6	W	7
	·885	9.84	"		E	7
11523	·720	21 47 13.09	37 22	6.4	W	7
	882	13.04	"		W	7
*11527	·696	21 47 52.48	37 50		W	7
	·709	52.47	"		E	7
	·718	52.49	"		E	7
	·890	52.52	"		W	7
11529	·740	21 48 19.21	36 32	6.4	W	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
11529	·745	21 48 19.35	36 32	6.4	E	7
11545	·696	21 50 58.03	35 50	6.7	W	6
	·745	57.97	"	6.7	E	7
*11544	·709	21 51 6.92	55 28		E	7
	·718	6.77	"		E	7
	·720	6.77	"		W	7
	·740	6.71	"		W	7
	·882	6.74	"		W	7
	·885	6.74	"		E	7
	·890	6.82	"		W	6
11564	·740	21 53 37.58	43 57	7.0	W	7
	·745	37.62	"		E	7
11571	·718	21 54 21.48	42 56	6.5	E	7
	·720	21.51	"	6.6	W	6
11578	·696	21 55 34.12	34 19		W	7
	·709	34.22	"	7.0	E	7
11580	·740	21 56 37.77	50 48	6.9	W	7
	·885	37.93	"		E	7
11585	·718	21 57 16.81	46 37	6.5	E	7
	·720	16.76	"	6.6	W	7
11589	·745	21 57 53.89	29 50		E	7
	·890	53.78	"		W	7
11596	·696	21 58 49.52	26 22	6.5	W	7
	·709	49.55	"	6.6	E	7
11600	·740	21 59 41.90	50 10	7.1	W	7
	·882	41.80	"		W	7
	·885	41.88	"		E	7
11601	·718	21 59 52.44	44 27	6.5	E	7
	·720	52.49	"	6.4	W	7
*11603	·745	22 0 5.28	40 2		E	7
	·904	5.36	"		E	7
*11617	·696	22 1 55.91	47 27		W	7
	·709	55.91	"		E	7
	·720	55.94	"		W	7
11622	·718	22 2 31.64	43 32	6.4	E	7
	·740	31.72	"	6.7	W	7
*11623	·745	22 2 33.04	33 29		E	7
	·890	33.03	"		W	7
	·904	32.99	"		E	7
11630	·882	22 3 53.23	24 9		W	7
11634	·696	22 4 18.11	28 47	6.5	W	7
	·709	18.26	"	6 3	E	7
11636	·718	22 5 18.76	44 20	6.0	E	7
	·720	18.75	"	6.5	W	7
11639	·740	22 5 47.22	34 57	6.4	W	7
	·745	47.18	"		E	7
11645	·879	22 6 29.55	40 42	6.6	W	7
	·882	29.52	"		W	7
	·885	29.48	"		E	7
	·893	29.72	"		E	7
11649	·890	22 7 15.29	52 45		W	7
11652	·696	22 7 19.35	26 49		W	6
	·709	19.47	"	6.6	E	7
11656	·898	22 8 32.13	41 51		W	7
11655	·718	22 8 32.69	52 42	7.0	E	7
	·720	32.79	"	7.0	W	7
	·879	32.95	"	7.0	W	6
*11657	·740	22 8 38.68	28 16		W	7
	·745	38.77	"		E	7
11663	·879	22 9 24.42	52 41		W	5
*11667	·885	22 9 35.56	41 51		E	7
	·898	35.52	"		W	7
11672	·696	22 10 33.87	23 30	6.7	W	7
	·718	33.85	"	6.5	E	7
11670	·720	22 10 42.68	54 49	6.9	W	7
	·882	42.75	"		W	7
	·893	42.79	"		E	7
11678	·740	22 11 28.38	50 49	7.0	W	7
	·890	28.15	"		W	7
	·904	28.18	"		E	7
*11681	·745	22 11 42.27	54 7		E	7
11685	·764	22 11 53.30	32 16	6.5	W	7
	·885	53.28	"		E	7

No.	1898. +	R. A. 1900·00.	Decl. S.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
11691	·718	22 12 55.50	23 50	6.5	E	7
	·720	55.48	"	6.6	W	7
11697	·696	22 14 20.07	44 0		W	6
	·709	20.33	"	7.0	E	7
11702	·740	22 15 5.47	51 36	7.0	W	7
	·745	5.22	"		E	7
	·764	5.34	"	7.5	W	7
	·879	5.50	"	7.2	W	7
	·890	5.32	"		W	7
	·904	5.29	"		E	7
11704	·893	22 15 37.62	54 22		E	7
	·898	37.45	"	7.0	W	7
11708	·720	22 16 20.29	25 52	6.6	W	7
	·885	20.40	"		E	7
11714	·709	22 17 17.17	47 10	6.5	E	7
	·740	17.24	"	6.4	W	7
11717	·745	22 17 36.81	26 21		E	7
	·764	36.78	"	6.7	W	7
11721	·879	22 18 40.94	41 57	6.5	W	4
	·885	40.82	"		E	6
11725	·890	22 18 59.40	51 54		W	7
	·893	59.74	"		E	7
	·898	59.57	"	6.8	W	7
	·904	59.46	"		E	7
11729	·718	22 19 15.37	38 20	6.4	E	7
	·720	15.46	"	6.6	W	7
11734	·709	22 20 33.67	28 31	7.0	E	6
	·740	33.83	"	6.5	W	7
11739	·745	22 21 9.73	49 52		E	7
	·764	9.96	"	6.9	W	7
11741	·898	22 22 4.85	26 56	6.8	W	7
	·904	4.71	"	6.5	E	7
11743	·718	22 22 21.41	39 36	6.8	E	7
	·720	21.61	"	6.8	W	7
*11744	·885	22 22 47.79	39 38		E	7
*11745	·764	22 23 17.70	44 0		W	7
11746	·709	22 23 19.35	37 29	7.0	E	7
	·740	19.30	"	6.7	W	7
11752	·745	22 23 47.80	29 14		E	7
	·890	47.81	"		W	7
11759	·764	22 24 51.69	48 50	7.0	W	7
	·879	51.56	"		W	3
	·885	51.37	"		E	4
*11769	.890	22 25 21.50	11 12		W	7
	·904	21.31	"		E	7
11768	·718	22 25 21.61	31 32	6.7	E	7
	·720	21.53	"	6.5	W	7
11773	·709	22 26 0.57	35 48	6.7	E	7
	·740	0.51	"	6.3	W	7
11783	·893	22 27 33.45	35 39		E	7
	·898	33.53	"		W	7
11785	·745	22 27 56.45	45 12		E	7
	·764	56.56	"	6.3	W	7
11789	·709	22 28 25.85	32 40	6.8	E	7
	·740	25.77	"	6.4	W	7
	·915	25.83	"	6.6	E	7
11801	·718	22 30 35.44	48 49	6.3	E	7
	·720	35.54	"	6.4	W	7
11803	·740	22 30 45.75	43 59	6.2	W	7
	·745	45.65	"		E	7
	·904	45.68	"	6.5	E	7
11808	·764	22 31 50.22	53 17	7.5	W	7
	·778	50.60	"	7.5	E	7
11811	·781	22 32 22.09	33 59	6.8	E	7
	·885	22.09	"		E	7
	·890	22.03	"		W	7
11816	·893	22 33 9.73	39 40		E	7
	·898	9.86	"		W	7
*11819	·718	22 33 12.43	33 36		E	7
	·720	12.59	"		W	7
	·740	12.56	"		W	7
	·745	12.51	"		E	7
11823	·781	22 34 10.23	28 51	6.0	E	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
11823	·887	22 34 10.14	28 51		W	6
	·890	10.27	"		W	7
	·915	10.26	"	6.5	E	7
11824	·764	22 34 12.56	28 51	6.2	W	7
	·778	12.63	"	6.0	E	6
	·885	12.56	"		E	7
11835	·745	22 36 39.30	47 43		E	7
	·898	39.48	"	6.3	W	7
*11837	·709	22 36 41.83	47 24		E	5
	·718	41.80	"		E	7
	·720	41.82	"		W	7
	·740	41.83	"		W	6
	·764	41.74	"		W	7
	·781	41.80	"		E	7
	·885	41.79	"		E	7
	·904	41.75	"		E	7
11842	·778	22 37 35.91	22 11	6.3	E	7
	·808	35.95	"	6.9	W	7
11850	·718	22 39 3.21	41 18	7.0	E	7
	·720	3.33	"	6.6	W	7
	·781	3.30	"	6 5	E	7
11856	·740	22 40 7.41	49 30	6.4	W	7
	·745	7.30	"		E	7
	·879	7.07	"		W	4
	·915	7.25	"	6.5	E	7
11860	·764	22 40 27.85	50 12	6.5	W	7
	·778	27.93	"	6.0	E	7
11863	·893	22 40 48.60	47 28		E	7
	·898	48.71	"	6.6	W	7
11870	·718	22 41 22.48	42 13	6.2	E	7
	·783	22.59	"	6.5	W	7
	·887	22.36	"		W	7
	·904	22.41	"	6.5	E	7
11879	·781	22 42 1.63	52 3	6.3	E	7
	·808	1.51	"	6.8	W	7
*11884	·720	22 42 30.87	51 51		W	7
	·740	30.91	"		W	7
	·745	30.87	"		E	7
	·764	30.85	"		W	7
	·778	30.87	"		E	7
	·890	30.75	"		W	7
	·920	30.87	"		E	7
11892	·718	22 43 51.60	23 37	6.5	E	7
	·783	51.69	"	6.8	W	7
11899	·740	22 44 29.22	42 1	6.9	W	7
	·781	29.29	"	6.8	E	7
*11902	·898	22 45 20.76	39 41		W	7
	·917	20.78	"		W	7
11906	·764	22 45 36.29	42 7	6.8	W	7
	·778	36.29	"	7.0	E	7
11908	·783	22 45 52.07	24 18	6.7	W	7
	·805	51.92	"	6.9	W	5
	·879	52 24	"	6.8	W	7
	·904	52.11	"	6.7	E	7
	·915	52.20	"	6.8	E	7
11911	·718	22 46 26.04	48 6	7.0	E	7
	·720	26.24	"	6.8	W	7
11917	·740	22 46 45.12	39 50	6.9	W	7
	·781	45.12	"	6.9	E	7
	·808	45.03	"	7.0	W	7
*11918	·920	22 46 58.04	33 24		E	7
11920	·764	22 47 26.95	45 41	6.1	W	7
	·778	26.96	"	6.5	E	7
11925	·783	22 47 49.87	39 57	6.6	W	7
	·887	49.57	"		W	7
	·890	49.84	"		W	7
	·915	49.90	"	6.8	E	6
11930	·781	22 48 52.89	25 31		E	7
	·805	52.64	"	6.8	W	7
	·904	52.75	"	6.5	E	7
	·917	52.86	"	6.8	W	7
*11935	·718	22 49 20.68	16 22		E	7
	·720	20.47	"		W	7
*11935	·740	22 49 20.84	16 22		W	6
	·778	20.61	"		E	7
	·898	20.66	"		W	7
11939	·783	22 49 40.90	43 25	7.5	W	7
	·879	40.98	"	7.3	W	7
11942	·764	22 50 12.84	43 5	6.3	W	7
	·920	12 83	"	6.7	E	7
11946	·781	22 50 50 30	32 6	6.2	E	7
	·890	50.40	"		W	7
	·917	50.50	"	6.4	W	6
11952	·718	22 52 12.07	45 41	7.0	E	7
	·720	12.39	"	7.0	W	7
	·783	12.21	"	6.9	W	7
	·904	12.17	"	6.7	E	7
11955	·740	22 52 36.76	51 40	7.0	W	6
	·778	36.69	"	7.3	E	7
11962	·764	22 54 14.71	52 14	7.5	W	7
	·781	14.89	"	6.5	E	7
11968	·720	22 54 56.86	49 59	6.9	W	7
	·808	56.70	"	6.7	W	7
	·879	56.65	"	6.9	W	7
	·893	56.80	"		E	7
	·920	56.57	"	7.4	E	7
*11969	·783	22 54 58.59	53 17		W	7
	·890	58.46	"		W	7
11972	·740	22 55 6.57	49 29	6.8	W	7
	·778	6.55	"	7.0	E	7
11977	·904	22 55 51.79	29 23	5.7	E	7
	·915	51.77	"	6.4	E	7
	·917	51.84	"	6.3	W	7
11980	·764	22 56 40.46	50 14	7.1	W	7
	·781	40.53	"	6.7	E	7
11984	·720	22 57 10.66	48 23	6.5	W	6
	·879	10.45	"		W	7
11989	·740	22 57 55.11	38 58	6.7	W	7
	·778	55.08	"	6.4	E	7
11998	·783	22 58 16.32	30 59	6.5	W	7
	·808	16.32	"	6.3	W	7
	·893	16.44	"		E	7
	·904	16.23	"	6.5	E	7
12002	·764	22 59 23.88	36 26	6.5	W	7
	·778	23.85	"	6.3	E	6
	·917	23.84	"	6.6	W	7
12007	·720	22 59 53.01	24 53	6.6	W	7
	·781	52.95	"	6.4	E	7
12010	·740	23 0 21 82	39 57	6.8	W	7
	·805	21.79	"		W	7
	·920	21.71	"	7.0	E	7
12011	·783	23 1 1.10	44 3	6.8	W	7
	·890	1.19	"		W	7
	·893	1.30	"		E	7
*12013	·808	23 1 14.79	44 4		W	7
	·904	14.68	"		E	7
	·917	14.69	"		W	6
12021	.764	23 1 31.34	30 35	6 2	W	7
	·778	31.36	"	6.1	E	7
12030	·720	23 3 30.22	26 22	6.5	W	7
	·781	30.10	"	6.3	E	7
*12032	·740	23 4 7.01	21 43		W	7
	·764	6.89	"		W	7
	·778	6.84	"		E	7
	·783	6.86	"		W	7
	·808	6.87	"		W	7
	·890	6.99	"		W	7
	·917	6.91	"		W	7
12040	·893	23 4 50.60	40 35		E	7
	·920	50.59	"	6.8	E	7
12044	·720	23 5 49.57	27 27	6.6	W	4
	·781	49.37	"	6.5	E	7
12046	·740	23 7 7.55	54 44	7.3	W	7
	·778	7.68	"	7.5	E	7
12048	·783	23 7 17.01	54 50	7.2	W	7
	·890	17.04	"		W	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S.	Mag.	Posn.	Wires.
		h. m. s.	° ′			
12054	·781	23 7 56.18	49 41	7.5	E	6
	·805	56.35	"	7.5	W	7
12068	·740	23 10 20.26	30 24	6.4	W	7
	·781	20.36	"	6.0	E	7
	·917	20.35	"		W	7
	·920	20.46	"	6.3	E	7
12067	.764	23 10 22.23	52 25		W	7
	·778	22.36	"	6.7	E	7
	·783	22.24	"	6.6	W	7
	·797	22.27	"		E	7
*12083	·797	23 11 35.64	58 47		E	5
12089	·740	23 12 23.84	48 40	6.6	W	7
	778	23.93	"	6.6	E	7
*12096	·764	23 13 25.46	33 5		W	7
	·781	25.45	"		E	7
12097	·783	23 13 31.73	29 17	6.4	W	7
12098	·917	23 13 32.12	31 6	6.4	W	7
	·920	32.12	"	6.5	E	7
12103	·797	23 13 57.38	39 42		E	7
	·805	57.31	"	6.4	W	7
12110	·740	23 14 53.87	43 42	6.8	W	7
	·778	53.93	"	6.5	E	7
*12113	·764	23 15 55.85	27 32		W	7
	·781	55.84	"		E	7
	·783	55.80	"		W	7
	·797	55 82	"		E	7
	·920	55.79	"		E	7
12114	·740	23 16 44.40	43 44	6.3	W	7
	·778	44.42	"	6.4	E	7
12119	·803	23 17 32.42	24 0	6.9	E	7
	·805	32.38	"	6.7	W	7
	·917	32.54	"	6.8	W	7
12126	·783	23 18 14.90	54 22	6.4	W	7
	·797	14.87	"		E	7
12128	·764	23 18 23.20	31 40	6.5	W	7
	·781	23.20	"	6.5	E	7
12131	·740	23 19 2.16	37 45	6.7	W	7
	·778	2.24	"	6.5	E	7
12134	·805	23 19 50.52	36 44	6.6	W	7
	·813	50.58	"	7.0	E	7
12135	·783	23 20 6.67	30 33	6.4	W	7
	·797	6.80	"		E	7
12140	·764	23 20 53.10	27 59	6.3	W	7
	·917	53.11	"	6.4	W	7
*12141	·778	23 21 0.72	53 17		E	7
	·781	0.74	"		E	7
	·813	0.82	"		E	5
12149	·740	23 21 37.12	50 50	6.8	W	7
	·920	37.30	"	6.9	E	7
12154	·783	23 22 18.51	50 54	6.5	W	7
	·797	18.55	"		E	7
12159	·764	23 23 1.35	39 12	6.5	W	7
	·781	1.43	"	6.9	E	7
	·805	1.34	"	6.5	W	7
	·917	1.32	"	6.7	W	7
	·923	1.33	"	6.7	W	7
12165	·740	23 23 52.06	53 14	6.5	W	7
	·778	52.27	"	6.2	E	7
	·813	52.31	"	6.3	E	7
12169	·783	23 25 0.53	22 26	6.5	W	7
	·797	0.55	"		E	7
	·803	0.48	"	7.0	E	6
12173	·764	23 25 35.20	35 40	6.7	W	7
	·781	35.23	"	7.1	E	7
	·805	35.16	"	7.0	W	7
	·915	35.15	"	6.9	E	7
12182	·740	23 26 22.61	31 53	7.3	W	7
	·778	22.74	"	7.4	E	7
	·920	22.64	"	7.2	E	7
12187	·813	23 27 3.96	50 40	7.0	E	7
	·917	3.91	"	7.2	W	5
12189	·783	23 27 15.23	45 41	6.3	W	7
	·797	15.20	"		E	7
*12191	·923	23 27 36.57	38 22		W	7
12195	·764	23 28 7.97	31 51	6.4	W	7
	·778	8.02	"	6.0	E	7
	·920	8.03	"	6.7	E	5
12200	·781	23 28 44.58	25 25	6.7	E	7
	·803	44.39	"		E	2
	·805	44.36	"	6.6	W	7
12205	·783	23 29 35.19	35 38		W	7
	·797	35.16	"		E	7
	·813	35.11	"	6.3	E	7
*12206	·740	23 29 41.95	43 10		W	7
12207	·764	23 30 23.77	28 2	6.0	W	7
	·778	23.74	"	6.3	E	7
12211	·781	23 31 10.37	45 27	6.5	E	7
	·917	10.34	"	6.8	W	7
12214	·783	23 31 57.61	52 17	6.8	W	7
	·920	57.71	"	7.0	E	7
	·923	57.64	"	7.2	W	7
*12217	·797	23 32 27.98	46 3		E	7
	·813	28.03	"		E	7
	·926	27.93	"		E	7
	·928	28.05	"		W	7
12222	·764	23 32 42.29	42 7	6.8	W	7
	·778	42.43	"	6.7	E	7
	·942	42.51	"	6.9	W	7
12226	·781	23 33 35.48	42 2	7.2	E	7
	·917	35.31	"	7.5	W	7
12229	·783	23 34 28.37	23 5	6.5	W	7
	·797	28.37	"		E	7
	·803	28.27	"	6.5	E	7
12235	·813	23 35 11.73	26 45	6.8	E	7
	·923	11.71	"	6.9	W	7
*12238	·917	23 35 23.51	32 38		W	6
	·920	23.33	"		E	7
	·928	23.25	"		W	7
12243	·781	23 36 9.13	42 8	6.9	E	6
	·926	9.04	"	7.0	E	7
	·942	9.28	"	6.9	W	7
12248	·783	23 36 46.75	53 59	7.1	W	7
	·813	46.79	"	7.5	E	7
12254	·764	23 37 46.61	46 52	6.5	W	7
	·778	46.64	"	6.4	E	7
12261	·781	23 38 34.84	46 1	6.5	E	7
	·797	34.91	"		E	7
	·805	34.75	"	6.5	W	7
	·928	34.86	"	6.6	W	7
12267	·813	23 38 54.33	41 14	6.4	E	7
	·923	54.11	"	6.7	W	7
	·926	54.16	"	6.8	E	7
12271	·783	23 39 37.13	38 53	6.9	W	7
	·920	37.09	"	6.9	E	7
12274	·764	23 40 44.57	38 32	7.5	W	7
	·778	44.56	"	7.0	E	7
	·797	44.48	"		E	7
12278	·781	23 41 15.97	45 23	6.7	E	7
	·805	16.02	"	6.8	W	6
*12284	·783	23 41 57.46	50 47		W	7
	·923	57.49	"		W	7
	·926	57.58	"		E	7
	·928	57.44	"		W	7
12285	·813	23 42 7.33	48 49	6.3	E	7
	·942	7.14	"	6.7	W	7
12294	·778	23 43 31.33	48 12	6.0	E	7
*12297	·764	23 43 42.99	28 41		W	7
	·797	43.01	"		E	7
12298	·781	23 44 8.70	28 25	6.3	E	7
	·783	8.60	"	6.1	W	7
12302	·813	23 44 40.63	42 51		E	7
	·915	40.43	"	6.7	E	7
	·942	40.62	"	6.6	W	7
12318	·764	23 46 26.92	35 15	6.1	W	7
	·778	26.93	"	6.1	E	7
	·928	26.71	"	6.7	W	7

MEAN RIGHT-ASCENSIONS OF SOUTHERN STARS,—*Continued.*

No.	1898. +	R. A. 1900·00.	Decl. S. 1900·00.	Mag.	Posn.	Wires.	No.	1898. +	R. A. 1900·00.	Decl. S. 1900·00.	Mag.	Posn.	Wires.
		h. m. s.	° ′						h. m. s.	° ′			
12321	·781	23 46 37.15	34 1	6.7	E	7	12374	·783	23 53 32.47	38 47	6.7	W	7
	·783	37.19	"	6.6	W	7	*12376	·764	23 53 44.78	53 18		W	7
12326	·797	23 47 30.76	25 33		E	7		·781	44.87	"		E	7
	·882	31.00	"		W	7	12378	·923	23 54 0.01	42 48	6.2	W	7
	·923	30.87	"	6.3	W	7		·926	0.01	"	6.8	E	7
	·926	30.87	"	6.6	E	7	12395	·797	23 55 23.90	41 15		E	7
12336	·764	23 48 33.52	29 57	6.5	W	7		·882	24.10	"		W	7
	·778	33.57	"	6.3	E	7		·928	24.09	"	6.7	W	7
12340	·781	23 49 11.27	27 36	6.4	E	7	12402	·764	23 56 13.84	29 17	6.0	W	7
	·783	11.31	"	6.3	W	7		·778	13.79	"	6.4	E	7
	·928	11.15	"	6.5	W	7		·813	13.78	"	6.3	E	7
12343	·797	23 49 54.33	37 55		E	7	12410	·781	23 56 51.43	38 27	6.5	E	7
	·882	54.52	"		W	7		·783	51.49	"	6.5	W	7
12354	·778	23 50 58.20	22 33	6.5	E	7	12413	·923	23 58 0.09	24 42	6.3	W	7
	·783	58.16	"	6.4	W	7		·926	0.18	"	6.3	E	7
	·923	58.10	"	6.5	W	7	*12416	·778	23 58 36.93	17 54		E	7
	·926	58.14	"	6.8	E	7		·783	37.01	"		W	7
12359	·764	23 51 31.04	42 45	6.8	W	7		·797	37.00	"		E	6
	·781	31.08	"	7.0	E	7		·813	36.98	"		E	7
12366	·797	23 52 19.04	37 16		E	7		·882	37.12	"		W	7
	·882	19.06	"		W	6		·885	37.09	"		E	7
	·928	19.02	"	6.8	W	7	12419	·764	23 59 4.90	30 42	6.3	W	7
12369	·813	23 52 49.33	39 31	6.2	E	7		·781	4.89	"	6.6	E	7
	·885	49.15	"		E	6	12427	·778	23 59 54.55	36 34	6.5	E	4
12374	·778	23 53 32.51	38 47	6.9	E	7		·928	54.56	"	6.8	W	7